

**BOBBY JINDAL**  
GOVERNOR



**HAROLD LEGGETT, PH.D.**  
SECRETARY

**State of Louisiana**  
**DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**ENVIRONMENTAL SERVICES**

Certified Mail No.

Agency Interest No. 83623  
Activity No.: PER20050001

Mr. Russ Snyder  
Plant Manager, Acadia Power Station  
Acadia Power Partners, LLC  
30385 Crowley-Eunice Hwy  
Eunice, LA 70535

**RE: Title V Permit Renewal/Modification, Acadia Power Partners LLC – Acadia Power Station**  
Acadia Power Partners, LLC, Eunice, Acadia Parish, Louisiana

Dear Mr. Snyder:

This is to inform you that the permit renewal/modification for the above referenced facility has been approved under LAC 33:III.501. The submittal was approved on the basis of the application submitted and its approval in no way relieves the applicant of the obligation to comply with all applicable requirements. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the \_\_\_\_\_ of \_\_\_\_\_, 2014, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Please be advised that pursuant to provisions of the Environmental Quality Act and the Administrative Procedure Act, the Department may initiate review of a permit during its term. However, before it takes any action to modify, suspend or revoke a permit, the Department shall, in accordance with applicable statutes and regulations, notify the permittee by mail of the facts or operational conduct that warrant the intended action and provide the permittee with the opportunity to demonstrate compliance with all lawful requirements for the retention of the effective permit.

Done this \_\_\_\_\_ day of \_\_\_\_\_, 2009.

Permit No.: 0040-00105-V2

Sincerely,

Cheryl Sonnier Nolan  
Assistant Secretary  
CSN: rjj

c: EPA Region VI

**PUBLIC NOTICE****LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)  
ACADIA POWER PARTNERS, LLC, ACADIA POWER STATION****PROPOSED PART 70 AIR OPERATING PERMIT RENEWAL/MINOR MODIFICATION, ACID  
RAIN PERMIT RENEWAL, PREVENTION OF SIGNIFICANT DETERIORATION (PSD) PERMIT  
MINOR MODIFICATION, AND CLEAN AIR INTERSTATE RULE (CAIR) PERMIT**

The LDEQ, Office of Environmental Services, is accepting written comments on the Part 70 Air Operating Permit Renewal/Minor Modification, Acid Rain Permit Renewal, PSD Permit Minor Modification, and Intial CAIR Permit for Acadia Power Partners, LLC, P.O. Box 1149, Eunice, LA 70535 for the Acadia Power Station. The facility is located at **30385 Crowley-Eunice Hwy 3 miles south of Eunice and northwest of Crowley, Acadia Parish.**

Acadia Power Partners, LLC requested to renew/modify the Part 70 Air Operating and renew the Acid Rain permits for the Acadia Power Station. No major modifications are being proposed at the site with these renewals; however, the PSD and Part 70 permits are being modified to include start-up/shut-down emissions. The company also submitted an application requesting a Clean Air Interstate Rule (CAIR) permit.

The Acadia Power Station provides electricity to the nearby electric transmission system. The facility consists of four combustion gas turbines, four heat recovery steam generators (HRSG), four duct burners, two steam turbines, two cooling towers, power augmentation (PAG), and auxiliary equipment. The plant electrical generation rating is 1,000 megawatts.

Estimated emissions in tons per year are as follows:

<b>Pollutant</b>	<b>Before</b>	<b>After</b>	<b>Change</b>
PM <sub>10</sub>	352.20	352.20	0.00
SO <sub>2</sub>	21.00	21.84	+0.84
NO <sub>x</sub>	600.00	600.00	0.00
CO	1472.00	1,472.00	0.00
VOC	97.00	97.65	+0.65

A technical review of the working draft of the proposed permit was submitted to the facility representative and the LDEQ Surveillance Division. Any remarks received during the technical review will be addressed in the "Worksheet for Technical Review of Working Draft of Proposed Permit". All remarks received by LDEQ are included in the record that is available for public review.

Written comments, written requests for a public hearing or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, June 22, 2009.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The applications, drafts of the proposed permits, and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5<sup>th</sup> Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). The available information can also be accessed electronically on the Electronic Document Management System (EDMS) on the DEQ public website at [www.deq.louisiana.gov](http://www.deq.louisiana.gov).

An additional copy may be reviewed at the Opelousas-Eunice Public Library, Eunice Public Library Branch, 222 S. Second Street, Eunice, LA 70535.

Inquiries or requests for additional information regarding this permit action should be directed to Rusty J. Jack, LDEQ, Air Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-0513.

Persons wishing to be included on the LDEQ permit public notice mailing list or for other public participation related questions should contact the Public Participation Group in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, by email at [deqmailistrequest@la.gov](mailto:deqmailistrequest@la.gov) or contact the LDEQ Customer Service Center at (225) 219-LDEQ (219-5337).

**Permit public notices including electronic access to the proposed permits and statement of basis** can be viewed at the LDEQ permits public notice webpage at [www.deq.louisiana.gov/apps/pubNotice/default.asp](http://www.deq.louisiana.gov/apps/pubNotice/default.asp) and general information related to the public participation in permitting activities can be viewed at [www.deq.louisiana.gov/portal/tabid/2198/Default.aspx](http://www.deq.louisiana.gov/portal/tabid/2198/Default.aspx).

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at [http://www.doa.louisiana.gov/oes/listservpage/ldeq\\_pn\\_listserv.htm](http://www.doa.louisiana.gov/oes/listservpage/ldeq_pn_listserv.htm).

**All correspondence should specify AI Number 83623:**

Permit Number 0040-00105-V2	Activity Number PER20050001
Permit Number 0040-00105-IV1	Activity Number PER20050002
Permit Number PSD-LA-645(M-2)	Activity Number PER20070001
Permit Number 0040-00105-IR0	Activity Number PER20070002

Scheduled Publication Date: May 21, 2009

**AIR PERMIT BRIEFING SHEET  
PERMITS DIVISION  
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acadia Power Partners LLC – Acadia Power Station**

**Agency Interest No.: 83623**

**Acadia Power Partners LLC**

**Eunice, Acadia Parish, Louisiana**

**I. Background**

Acadia Power Partners, LLC (Acadia) is the owner of the Acadia Power Station, an existing combined-cycle turbine power plant. The facility is operated by CLECO Generation Services, LLC. The Acadia Power Station currently operates under Permit No. 0040-00105-V1, issued January 31, 2002, Permit No. 0040-00105-IV, issued July 13, 2000, and PSD-LA-645(M-1), issued January 31, 2002.

Acadia submitted an administrative amendment request on July 24, 2002, with supplemental information on March 20, 2003. The purpose of the administrative amendment was to correct the maximum hourly emission rate for Particulate Matter (PM<sub>10</sub>), Sulfur Dioxide (SO<sub>2</sub>), Nitrogen Oxide (NO<sub>x</sub>), Carbon Monoxide (CO), and Volatile Organic Compounds (VOC) for the four duct burners. The changes were due to utilizing the as built maximum heat input specifications, rather than the facility design basis.

This is the Part 70 operating permit renewal for the facility and includes modifications to PSD-LA-645(M-1).

**II. Origin**

A permit application and Emission Inventory Questionnaire were submitted by Calpine Operating Services Company on behalf of Acadia Power Partners, LLC, January 12, 2005, requesting a Part 70 operating and Acid Rain permit renewal. Additional information dated June 28, 2006, February 8, 2007 and December 20, 2007, was also received.

**III. Description**

The Acadia Power Station is a 1,000 MW combined-cycle turbine power plant. The facility consists of four combustion gas turbines, four heat recovery steam generators (HRSG), four duct burners, two steam turbines, two cooling towers, power augmentation (PAG), and auxiliary equipment. The gas turbine essentially consists of three main components: Compressor, combustor, and power turbine. The hot gases (>2,000°F) from the combustion of natural gas are diluted with additional air from the compressor section and directed to the power turbine section. The energy from the hot exhaust gases expands in the power turbine section to generate electricity. The residual energy in the exhaust gas from combustion turbines is recovered at HRSG where steam is produced. The steam is then supplied to the steam turbine generator to produce electricity. Selective catalytic reduction (SCR) is used to control NO<sub>x</sub> emissions.

Power Augmentation (PAG) may be utilized when the unit is not performing at maximum

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**Eunice, Acadia Parish, Louisiana**

output due to higher ambient temperature. PAG is accomplished by injecting steam into the combustion zone of the turbine. This steam adds mass to the flow through the turbine, thus increasing power production. The duct burner is used to provide supplemental firing capability.

Startup of the turbine usually requires a maximum of 60 - 120 minutes from the initial firing until the turbine unit reaches steady state normal condition. Turbine shutdown generally requires a maximum of 25 – 50 minutes from lowering the system output under normal operation until the turbine combustion section is secured (no flame).

Acadia conducted compliance tests at the Acadia Power Station on April 22, 2005 to determine emission rates at reduced load conditions of the combustion turbines. The test results were submitted to LDEQ on June 13, 2005. The trial tests were completed successfully and the emissions were monitored and recorded by Cubix Corporation. The hourly emission rates for NO<sub>x</sub>, CO, NH<sub>3</sub>, and VOC were below permitted levels.

Acadia Power Partners proposes to make the following changes to the Acadia Power Station permit:

- Include Start Up/Shut Down emissions and
- Update the list of insignificant activities.

Estimated emissions from the facility, in tons per year, are as follows:

<b>Pollutant</b>	<b>Before</b>	<b>After</b>	<b>Change</b>
PM <sub>10</sub>	352.20	352.20	0.00
SO <sub>2</sub>	21.00	21.84	+0.84
NO <sub>x</sub>	600.00	600.00	0.00
CO	1,472.00	1,472.00	0.00
VOC *	97.00	97.65	+0.65

**\* VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):**

<b>Pollutant</b>	<b>Before</b>	<b>After</b>	<b>Change</b>
Formaldehyde	9.20	9.20	-
<b>Non-VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):</b>			
Ammonia	456.00	455.52	-0.48

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**Acadia Power Partners LLC – Acadia Power Station  
Agency Interest No.: 83623  
Acadia Power Partners LLC  
Eunice, Acadia Parish, Louisiana**

**IV. Type of Review**

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, New Source Performance Standards (NSPS), and Prevention of Significant Deterioration (PSD). National Emission Standards for Hazardous Air Pollutants (NESHAP) do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

The individual major Toxic Air Pollutant (TAP) emitted is Ammonia. Ammonia is a Class III TAP and is therefore not subject to MACT requirements under LAC 33:III.5109.A. Also, electric utility steam-generating units are exempt from the requirements of LAC 33:III Chapter 51 Subchapter A according to LAC 33:III.5105.B.2.

The Acadia Power Station is also subject to the provisions of the Acid Rain Program under 40 CFR Part 72 and LAC 33:III.505.

Permit PSD-LA-645(M-1) is being modified to include start-up/shut-down emissions from the Acadia Power Station. Best Available Control Technology (BACT) analysis has been performed on these operations and is included in the PSD permit.

The U.S. Court of Appeals for the D.C. Circuit on December 23, 2008 decided to remand to EPA without vacatur the Clean Air Interstate Rule (CAIR). CAIR remains in effect until it is replaced by a rule that remedies the flaws identified by the court in its July 11, 2008 opinion.

**V. Credible Evidence**

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

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LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acadia Power Partners LLC – Acadia Power Station**

**Agency Interest No.: 83623**

**Acadia Power Partners LLC**

**Eunice, Acadia Parish, Louisiana**

**VI. Public Notice**

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2007; and in the <paper>, Eunice, LA, on <date>, 2007. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>, 2007. The draft permit was also submitted to US EPA Region VI on <date>, 2007. Comments received on <date>, 2007, were considered prior to the final permit decision.

**VII. Effects on Ambient Air**

Dispersion Model(s) Used: AERMOD (Screen)

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
PM <sub>10</sub>	Annual 24-hour	0.61 ug/m <sup>3</sup> 3.06 ug/m <sup>3</sup>	(50 ug/m <sup>3</sup> ) (150 ug/m <sup>3</sup> )

**VIII. General Condition XVII Activities**

There are no activities.

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**Acadia Power Partners LLC – Acadia Power Station**

**Agency Interest No.: 83623**

**Acadia Power Partners LLC**

**Eunice, Acadia Parish, Louisiana**

**IX. Insignificant Activities**

ID No.	Description	Citation
11-02	Sulfuric Acid Tank (11,016 gals)	LAC 33:III.501.B.5.D.a-d
12-02	Emergency Generator (800 KW, 300 hr/yr)*	LAC 33:III.501.B.5.B.32
13-02	Diesel Fire Pump Engine (1.39 MM BTU/hr, 500 hr/yr)*	LAC 33:III.501.B.5.A.1
3	Anti-Scalant Tank (1,000 gals, 0.4 psia)	LAC 33:III.501.B.5.A.3
4	Boiler Treatment Tank (600 gals, 0.34 psia)	LAC 33:III.501.B.5.A.3
5	Oxygen Scavenging Boiler Water Treatment Vessels (600 gals, 0.34 psia)	LAC 33:III.501.B.5.A.10
6	Cooling Water Treatment Vessels (< 10,000 gals, 0.34 psia)	LAC 33:III.501.B.5.A.10
7	Sodium Hydroxide Tank (5,000 gals)	LAC 33:III.501.B.5.A.4
9	3 Sodium Hypochlorite Vessels (5,000 gals)	LAC 33:III.501.B.5.A.4
10	2 Sodium Bisulfite Vessels (2,500 gals, 900 gals)	LAC 33:III.501.B.5.A.4
11	Potassium Permanganate Vessel (900 gals)	LAC 33:III.501.B.5.A.4
12	Nos. 1, 2, 3, & 4 Lube Oil Tanks (< 10,000 gals, 0.5 psia)	LAC 33:III.501.B.5.A.3

\* These items currently qualify as insignificant activities. Any replacement of these items by new engines that are affected sources under either NSPS IIII or JJJJ will require a permit modification and a removal of the sources from the insignificant activities list.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Acadia Power Partners LLC – Acadia Power Station**  
**Agency Interest No.: 83623**  
**Acadia Power Partners LLC**  
**Eunice, Acadia Parish, Louisiana**

**X-Table 1.** Applicable Louisiana and Federal Air Quality Requirements

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acadia Power Partners LLC – Acadia Power Station**  
**Agency Interest No.: 83623**  
**Acadia Power Partners LLC**  
**Eunice, Acadia Parish, Louisiana**

\* The regulations indicated above are State Only.

**KEY TO MATRIX**

- 1 - The regulations have applicable requirements that apply to this particular emission source.  
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acadia Power Partners LLC – Acadia Power Station**  
**Agency Interest No.: 83623**  
**Acadia Power Partners LLC**  
**Eunice, Acadia Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No:	Requirement	Notes
UNF 0	Control of Emissions of Nitrogen Oxides (NO <sub>x</sub> ) [LAC 33:III.2201.C.15]  Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.2]	EXEMPT. The Acadia Power Station is required to meet more stringent federal requirements and is exempt from LAC 33:III.2201.
	Compliance Assurance Monitoring [40 Part 64.2(b)(1)(iii)]	EXEMPT. Electric utility steam-generating units are exempt from the requirements of LAC 33:III Chapter 51 Subchapter A.
	New Source Performance Standards for Gas Turbines [NSPS Subpart GG]	EXEMPT. The Acadia Power Station is subject to Acid Rain requirements.  Data collected from the continuous emissions monitoring system (CEMS) under the Acid Rain Program (40 CFR 75) shall be used to demonstrate compliance with the NO <sub>x</sub> emission limit in NSPS Subpart GG as described in the permit.
EQT 05 – 08	Emission Standards for Sulfur Dioxide [LAC 33:III.1513.C]  Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.3]	It has been determined that the data collection system used for Part 75 monitoring provides all the necessary data to ensure that the facility has complied with the emission limitations in Part 75 and Subpart GG. Per 40 CFR 60.334(h)(4), without submitting a special petition to the Department, Acadia Power Partners may continue monitoring on the current custom fuel monitoring schedule, which allows the facility to waive the requirement for daily monitoring of nitrogen and sulfur content in the fuel being fired in the facility and use fuel supplier certification as a monitoring alternative to demonstrate compliance under 40 CFR 60.334(c).  EXEMPT. Because the source is not subject to the limitations of LAC 33:III.1503.C, the permittee shall record and retain at the site sufficient data to show the annual SO <sub>2</sub> emissions from the source.  EXEMPT. Emissions from the combustion of Group 1 virgin fossil fuels are exempt from the requirements of LAC 33:III Chapter 51 Subchapter A.

**LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**Acadia Power Partners LLC – Acadia Power Station**  
**Agency Interest No.: 83623**  
**Acadia Power Partners LLC**  
**Eunice, Acadia Parish, Louisiana**

**XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source**

ID No.	Requirement	Notes
EQT 09, EQT 10	NESHAP – National Emission Standards for Hazardous Air Pollutants for Industrial Cooling Towers [40 CFR 63.400(a)]	DOES NOT APPLY. The Acadia Power Station does not use chromium based water treatment chemicals in the cooling water or cooling towers.
PCS 01, PCS 02, PCS 03, PCS 04	Control of Emissions of Nitrogen Oxides (NO <sub>x</sub> ) [LAC 33:III.2201.C.15]	EXEMPT. The Acadia Power Station is required to meet more stringent federal requirements and is exempt from LAC 33:III.2201.
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5105.B.2]	EXEMPT. Electric utility steam-generating units are exempt from the requirements of LAC 33:III Chapter 51 Subchapter A.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table I) of this permit.

General Information

All ID: 83623 Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER2005001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	0040-00105	Acadia Power Partners LLC - Acadia Power Station	CDS Number	07-13-2000
LAR00062638		Acadia Power Partners LLC	Hazardous Waste Notification	08-31-2006
LA0112836		LPDES #	LPDES Permit #	06-25-2003
LAG670055		LPDES #	LPDES Permit #	06-25-2003
551173		ORIS Code	ORIS Code	09-16-2008
G-001-12355		Priority 2 Emergency Site	Priority 2 Emergency Site	07-25-2006
83634		SW Generator ID #	Solid Waste Facility No.	01-31-2005
		Acadia Power Partners LLC - Acadia Power Station	TEMPO Merge	01-21-2001
			Main Phone:	3375461500
Mailing Address:	Physical Location:	Address	Main Phone:	Relationship
30385 Eunice Crowley Hwy Eunice, LA 70535	30385 Eunice Crowley Hwy Eunice, LA 70535		3375461500 (WF)	Haz. Waste Billing Party for
Location of Front Gate:	Location of Front Gate:	Latitude	Longitude	Coordinate Method: Lat. Long. - DMS, Coordinate Datum: NAD83
Related People:	Name	Mailing Address	Phone (Type)	Relationship
Cory Andrus	Cory Andrus	30385 Crowley Eunice Hwy Eunice, LA 70535	3375461505 (WP)	Haz. Waste Billing Party for
Cory Andrus	Cory Andrus	30385 Crowley Eunice Hwy Eunice, LA 70535	cory.andrus@cleco.c	Emission Inventory Contact for
Cory Andrus	Cory Andrus	30385 Crowley Eunice Hwy Eunice, LA 70535	3375461550 (WF)	Accident Prevention Contact for
Cory Andrus	Cory Andrus	30385 Crowley Eunice Hwy Eunice, LA 70535	3375461505 (WP)	Accident Prevention Contact for
Cory Andrus	Cory Andrus	30385 Crowley Eunice Hwy Eunice, LA 70535	cory.andrus@cleco.c	Accident Prevention Contact for
Cory Andrus	Cory Andrus	30385 Crowley Eunice Hwy Eunice, LA 70535	3375461550 (WF)	Haz. Waste Billing Party for
Cory Andrus	Cory Andrus	30385 Crowley Eunice Hwy Eunice, LA 70535	cory.andrus@cleco.c	Emission Inventory Contact for
Brent Croom	Brent Croom	3030 Donahue Ferry Rd Pineville, LA 71360	3375461505 (WP)	Emission Inventory Contact for
Brent Croom	Brent Croom	2030 Donahue Ferry Rd Pineville, LA 71360	brent.croom@cleco.c	Water Permit Contact For
Abby Lanclos	Abby Lanclos	30385 Crowley Eunice Hwy Eunice, LA 70535	318484742 (WP)	Water Permit Contact For
Abby Lanclos	Abby Lanclos	30385 Crowley Eunice Hwy Eunice, LA 70535	3375461550 (WF)	Accident Prevention Billing Party for
Russ Snyder	Russ Snyder	30385 Crowley Eunice Hwy Eunice, LA 70535	3375461504 (WP)	Accident Prevention Billing Party for
Russ Snyder	Russ Snyder	30385 Crowley Eunice Hwy Eunice, LA 70535	3375461507 (WP)	Responsible Official for
Paul Turregano	Paul Turregano	30385 Crowley Eunice Hwy Eunice, LA 70535	russ.snyder@cleco.c	Responsible Official for
Paul Turregano	Paul Turregano	2030 Donahue Ferry Rd Pineville, LA 71360	3184847413 (WP)	Air Permit Contact For
Paul Turregano	Paul Turregano	2030 Donahue Ferry Rd Pineville, LA 71360	paul.turregano@clec	Air Permit Contact For
Related Organizations:	Name	Address	Phone (Type)	Relationship

General Information

AI ID: 83623 Acadia Power Partners LLC - Acadia Power Station

Activity Number: PER20050001

Permit Number: 0040-00105-V2

Air - Title V Regular Permit Renewal

Related Organizations:	Name	Address	Phone (Type)	Relationship
Acadia Power Partners LLC	30385 Crowley Eunice Hwy	Eunice, LA 705357402	3375461500 (WP)	Owns
Acadia Power Partners LLC	30385 Crowley Eunice Hwy	Eunice, LA 705357402	3375461550 (WF)	Owns
Acadia Power Partners LLC	30385 Crowley Eunice Hwy	Eunice, LA 705357402	3375461500 (WP)	Water Billing Party for
Acadia Power Partners LLC	30385 Crowley Eunice Hwy	Eunice, LA 705357402	3375461550 (WF)	Water Billing Party for
Acadia Power Partners LLC	30385 Crowley Eunice Hwy	Eunice, LA 705357402	3375461500 (NP)	Air Billing Party for
Acadia Power Partners LLC	30385 Crowley Eunice Hwy	Eunice, LA 705357402	3375461500 (NP)	Air Billing Party for
Acadia Power Partners LLC	30385 Crowley Eunice Hwy	Eunice, LA 705357402	3375461550 (WF)	Air Billing Party for
Acadia Power Partners LLC	30385 Crowley Eunice Hwy	Eunice, LA 705357402	3375461500 (WP)	Emission Inventory Billing Party
Acadia Power Partners LLC	30385 Crowley Eunice Hwy	Eunice, LA 705357402	3375461550 (WF)	Emission Inventory Billing Party
CLECO Corp - Environmental Services Department	Environmental Manager PG06	Pineville, LA 71360	3184847753 (WP)	Operates

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

**INVENTORIES**

**AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station**  
**Activity Number: PER20050001**  
**Permit Number: 0040-00105-V2**  
**Air - Title V Regular Permit Renewal**

## Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
<b>Combined Cycle No. 1</b>						
EQT 0005	1-99 - Combustion Turbine No. 1		2000 MM BTU/hr	2000 MM BTU/hr		8760 hr/yr
EQT 0011	5-99 - HRSG Duct Burner No. 1		323 MM BTU/hr	323 MM BTU/hr		6000 hr/yr
<b>Combined Cycle No. 2</b>						
EQT 0006	2-99 - Combustion Turbine No. 2		2000 MM BTU/hr	2000 MM BTU/hr		8760 hr/yr
EQT 0012	6-99 - HRSG Duct Burner No. 2		323 MM BTU/hr	323 MM BTU/hr		6000 hr/yr
<b>Combined Cycle No. 3</b>						
EQT 0007	3-99 - Combustion Turbine No. 3		2000 MM BTU/hr	2000 MM BTU/hr		8760 hr/yr
EQT 0013	7-99 - HRSG Duct Burner No. 3		323 MM BTU/hr	323 MM BTU/hr		6000 hr/yr
<b>Combined Cycle No. 4</b>						
EQT 0008	4-99 - Combustion Turbine No. 4		2000 MM BTU/hr	2000 MM BTU/hr		8760 hr/yr
EQT 0014	8-99 - HRSG Duct Burner No. 4		323 MM BTU/hr	323 MM BTU/hr		6000 hr/yr
<b>Acadia Power Station</b>						
EQT 0009	9-99 - Cooling Tower No. 1		152000 gallons/min	152000 gallons/min		8760 hr/yr
EQT 0010	10-99 - Cooling Tower No. 2		152000 gallons/min	152000 gallons/min		8760 hr/yr
FUG 0001	FUG - Fugitive Emissions					8760 hr/yr
<b>Stack Information:</b>						
ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)
<b>Combined Cycle No. 1</b>						
EQT 0005	1-99 - Combustion Turbine No. 1	63	960000	18		175
EQT 0011	5-99 - HRSG Duct Burner No. 1	63	960000	18		175
<b>Combined Cycle No. 2</b>						
EQT 0006	2-99 - Combustion Turbine No. 2	63	960000	18		175
EQT 0012	6-99 - HRSG Duct Burner No. 2	63	960000	18		175
<b>Combined Cycle No. 3</b>						
EQT 0007	3-99 - Combustion Turbine No. 3	63	960000	18		175
EQT 0013	7-99 - HRSG Duct Burner No. 3	63	960000	18		175
<b>Combined Cycle No. 4</b>						
EQT 0008	4-99 - Combustion Turbine No. 4	63	960000	18		175
EQT 0014	8-99 - HRSG Duct Burner No. 4	63	960000	18		175
<b>Acadia Power Station</b>						
EQT 0009	9-99 - Cooling Tower No. 1	28	999999	28		47
EQT 0010	10-99 - Cooling Tower No. 2	28	999999	28		47

**INVENTORIES**

All ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Relationships:****Subject Item Groups:**

ID	Group Type	Group Description
CRG 0001	Common Requirements Group	ACRN - Acid Rain Requirements
PCS 0001	Process Group	1-05 - Combined Cycle No. 1
PCS 0002	Process Group	2-05 - Combined Cycle No. 2
PCS 0003	Process Group	3-05 - Combined Cycle No. 3
PCS 0004	Process Group	4-05 - Combined Cycle No. 4
SCN 0001	Alternate Operating Scenario	1-99 SUSD - Unit 1 Combustion Turbine SUSD
SCN 0002	Alternate Operating Scenario	2-99 SUSD - Unit 2 Combustion Turbine SUSD
SCN 0003	Alternate Operating Scenario	3-99 SUSD - Unit 3 Combustion Turbine SUSD
SCN 0004	Alternate Operating Scenario	4-99 SUSD - Unit 4 Combustion Turbine SUSD
SCN 0005	Alternate Operating Scenario	DBS CAP - Duct Burners Cap
SCN 0006	Alternate Operating Scenario	1-99 NDB - Combustion Turbine No. 1 Without Duct Burner
SCN 0007	Alternate Operating Scenario	2-99 NDB - Combustion Turbine No. 2 Without Duct Burner
SCN 0008	Alternate Operating Scenario	3-99 NDB - Combustion Turbine No. 3 Without Duct Burner
SCN 0009	Alternate Operating Scenario	4-99 NDB - Combustion Turbine No. 4 Without Duct Burner
UNF 0001	Unit or Facility Wide	APS - Acadia Power Station

**Group Membership:**

ID	Description	Member of Groups
EOT 0005	1-99 - Combustion Turbine No. 1	CRG0000000001, PCS0000000001, SCN0000000006
EOT 0006	2-99 - Combustion Turbine No. 2	CRG0000000001, PCS0000000002, SCN0000000007
EOT 0007	3-99 - Combustion Turbine No. 3	CRG0000000001, PCS0000000003, SCN0000000008
EOT 0008	4-99 - Combustion Turbine No. 4	CRG0000000001, PCS0000000004, SCN0000000009
EOT 0011	5-99 - HRSG Duct Burner No. 1	CRG0000000001, PCS0000000001, SCN0000000005
EOT 0012	6-99 - HRSG Duct Burner No. 2	CRG0000000001, PCS0000000002, SCN0000000005
EOT 0013	7-99 - HRSG Duct Burner No. 3	CRG0000000001, PCS0000000003, SCN0000000005
EOT 0014	8-99 - HRSG Duct Burner No. 4	CRG0000000001, PCS0000000004, SCN0000000005

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

**Annual Maintenance Fee:**

Fee Number	Air Contaminant Source	Multiplier	Units Of Measure
1420	1420 C) Electric Power Gen. (Natural Gas Fired) (Rated Capacity)	1000	MW

**SIC Codes:**

4911	Electric services	AI 83623
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**INVENTORIES**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
Activity Number: PER20050001  
Permit Number: 0040-00105-V2  
Air - Title V Regular Permit Renewal

SIC Codes:

4911	Electric services	UNF 001
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**EMISSION RATES FOR CRITERIA POLLUTANTS**

All ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
<b>Combined Cycle No. 1</b>															
EQT 0011 5.99	78.00		31.10				3.10			4.60					12.00
<b>Combined Cycle No. 2</b>															
EQT 0012 6.99	78.00		31.10				3.10			4.60					12.00
<b>Combined Cycle No. 3</b>															
EQT 0013 7.99	78.00		31.10				3.10			4.60					12.00
<b>Combined Cycle No. 4</b>															
EQT 0014 8.99	78.00		31.10				3.10			4.60					12.00
<b>Acadia Power Station</b>															
EQT 0009 9.99							0.76	0.76	3.30						
EQT 0010 10.99							0.76	0.76	3.30						
<b>FUG 0001</b>															
FUG														0.10	0.45
PCS 0001 1-05	94.84	1303.00	550.60	56.84	221.10	180.00	21.37	93.60	5.80	33.60	6.06	9.21	40.00	51.94	
PCS 0002 2-05	94.84	1303.00	550.60	56.84	221.10	180.00	21.37	93.60	5.80	33.60	6.06	9.21	40.00	51.94	
PCS 0003 3-05	94.84	1303.00	550.60	56.84	221.10	180.00	21.37	93.60	5.80	33.60	6.06	9.21	40.00	51.94	
PCS 0004 4-05	94.84	1303.00	550.60	56.84	221.10	180.00	21.37	93.60	5.80	33.60	6.06	9.21	40.00	51.94	
SCN 0001 1-99 SUSD		2332.00			275.00										256.00
SCN 0002 2-99 SUSD		2332.00			275.00										256.00
SCN 0003 3-99 SUSD		2332.00			275.00										256.00
SCN 0004 4-99 SUSD		2332.00			275.00										256.00
SCN 0005 DBS CAP	24.84		244.00	24.84		40.00	3.10	9.60	4.60		0.80	6.21			38.80
SCN 0006 1-99 NDB	70.00	1225.00	307.00	32.00	190.00	140.00	20.00	84.00	1.20	29.00	5.26	3.00	28.00		14.60
SCN 0007 2-99 NDB	70.00	1225.00	307.00	32.00	190.00	140.00	20.00	84.00	1.20	29.00	5.26	3.00	28.00		14.60
SCN 0008 3-99 NDB	70.00	1225.00	307.00	32.00	190.00	140.00	20.00	84.00	1.20	29.00	5.26	3.00	28.00		14.60

**EMISSION RATES FOR CRITERIA POLLUTANTS**

All ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
**Air - Title V Regular Permit Renewal**

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Acadia Power Station	70.00	1225.00	307.00	32.00	190.00	140.00	20.00	20.00	84.00	1.20	29.00	5.26	3.00	28.00	14.60
SCN 0009 4-99 NDB															

**Note:** Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

Emission rates Notes:

PCS 0001	PM10	Tons/year	Aggregate PM10 emissions from all duct burners and combustion turbines shall not exceed 345.60 TPY. Which Months: All Year
PCS 0001	SO2	Tons/year	Aggregate SO2 emissions from all duct burners and combustion turbines shall not exceed 21.84 TPY. Which Months: All Year
PCS 0001	NOx	Tons/year	Aggregate NOx emissions from all duct burners and combustion turbines shall not exceed 600.00 TPY. Which Months: All Year
PCS 0001	CO	Tons/year	Aggregate CO emissions from all duct burners and combustion turbines shall not exceed 1,472.00 TPY. Which Months: All Year
PCS 0001	VOC	Tons/year	Aggregate VOC emissions from all duct burners and combustion turbines shall not exceed 97.20 TPY. Which Months: All Year
PCS 0002	PM10	Tons/year	Aggregate PM10 emissions from all duct burners and combustion turbines shall not exceed 97.20 TPY. Which Months: All Year
PCS 0002	SO2	Tons/year	Aggregate SO2 emissions from all duct burners and combustion turbines shall not exceed 21.84 TPY. Which Months: All Year
PCS 0002	NOx	Tons/year	Aggregate NOx emissions from all duct burners and combustion turbines shall not exceed 600.00 TPY. Which Months: All Year
PCS 0002	CO	Tons/year	Aggregate CO emissions from all duct burners and combustion turbines shall not exceed 1,472.00 TPY. Which Months: All Year
PCS 0002	VOC	Tons/year	Aggregate VOC emissions from all duct burners and combustion turbines shall not exceed 97.20 TPY. Which Months: All Year
PCS 0003	PM10	Tons/year	Aggregate PM10 emissions from all duct burners and combustion turbines shall not exceed 345.60 TPY. Which Months: All Year
PCS 0003	SO2	Tons/year	Aggregate SO2 emissions from all duct burners and combustion turbines shall not exceed 21.84 TPY. Which Months: All Year
PCS 0003	NOx	Tons/year	Aggregate NOx emissions from all duct burners and combustion turbines shall not exceed 600.00 TPY. Which Months: All Year
PCS 0003	CO	Tons/year	Aggregate CO emissions from all duct burners and combustion turbines shall not exceed 1,472.00 TPY. Which Months: All Year
PCS 0003	VOC	Tons/year	Aggregate VOC emissions from all duct burners and combustion turbines shall not exceed 97.20 TPY. Which Months: All Year
PCS 0004	PM10	Tons/year	Aggregate PM10 emissions from all duct burners and combustion turbines shall not exceed 345.60 TPY. Which Months: All Year
PCS 0004	SO2	Tons/year	Aggregate SO2 emissions from all duct burners and combustion turbines shall not exceed 21.84 TPY. Which Months: All Year
PCS 0004	NOx	Tons/year	Aggregate NOx emissions from all duct burners and combustion turbines shall not exceed 600.00 TPY. Which Months: All Year
PCS 0004	CO	Tons/year	Aggregate CO emissions from all duct burners and combustion turbines shall not exceed 1,472.00 TPY. Which Months: All Year
PCS 0004	VOC	Tons/year	Aggregate VOC emissions from all duct burners and combustion turbines shall not exceed 97.20 TPY. Which Months: All Year

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
PCS 0001 1-05	Ammonia	26.00	26.00	113.88
PCS 0002 2-05	Formaldehyde	0.53	0.53	2.30
PCS 0003 3-05	Ammonia	26.00	26.00	113.88
PCS 0004 4-05	Formaldehyde	0.53	0.53	2.30
SCN 0006 1-99 NDB	Formaldehyde	0.525	0.525	2.30
SCN 0007 2-99 NDB	Formaldehyde	0.525	0.525	2.30
SCN 0008 3-99 NDB	Formaldehyde	0.525	0.525	2.30
SCN 0009 4-99 NDB	Formaldehyde	0.525	0.525	2.30
UNF 0001 APS	Ammonia			455.52
	Formaldehyde			9.20

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

## EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
**Activity Number:** PER2005001  
**Permit Number:** 0040-00105-V2  
**Air - Title V Regular Permit Renewal**

**PCS 0001 1-05 - Combined Cycle No. 1****Group Member: EQT 0005EQT 0011**

- 1 [40 CFR 75.10(d)] Ensure that all continuous emission monitoring systems are in operation and monitoring unit emissions at all times that the affected unit combusts any fuel during periods of calibration, quality assurance, or preventative maintenance, performed pursuant to 75.21 and appendix B of 40 CFR part 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 75.20. [40 CFR 75.10(d)]
  - 2 [LAC 33:III.501.C.6] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
  - 3 [LAC 33:III.501.C.6] Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within one year after the issuance of a permit renewal, whichever comes later. The stack test can be performed on two of the four units (PCS001, PCS002, PCS003, & PCS004). Every five years re-performance testing shall be performed on the previously untested boilers. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity.
  - 4 [LAC 33:III.501.C.6] Demonstrate compliance with the permitted emission limits of this permit by performing stack tests on PCS001, 1-05 Combined Cycle No. 1, using methods found in NSPS 40 CFR 60, Appendix A as follows:
    - A. PM and NO<sub>x</sub> by methods and procedures specified by 40 CFR 60.48(a) and 60.335(c).
    - B. Carbon Monoxide by Method 10-Determination of Carbon Monoxide emissions from Stationary Sources.
    - C. VOC by Method 25A - Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.
  - 5 [LAC 33:III.507.H.1.a] The test shall be performed on the turbines without the duct burners to obtain the actual emission rates from the gas turbines. The test shall be repeated with both the gas turbines and the duct burners in operation. Emissions from the duct burners are obtained by subtracting the turbine emissions from the total emissions of each generation unit.
  - 6 [LAC 33:III.523.A] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting PCS001, 1-05 Combined Cycle No. 1, for visible emissions on a weekly basis. If visible emissions are detected, then, within three working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Request a permit amendment as defined in LAC 33:III.523.A.1 or modification as defined in LAC 33:III.523.A.2 to reflect the results of any testing required or approved by the Department, if such testing demonstrates that the terms and conditions of this permit are inappropriate or inaccurate. The request, together with all information necessary to process such request, shall be submitted within 45 days of obtaining the relevant test results.

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**PCS 0002 2-05 - Combined Cycle No. 2**

Group Members: EQT 0006 EQT 0012

- 7 [40 CFR 75.10(d)] Ensure that all continuous emission monitoring systems are in operation and monitoring unit emissions at all times that the affected unit combusts any fuel during periods of calibration, quality assurance, or preventive maintenance, or appendices A or B of 40 CFR part 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 75.20. [40 CFR 75.10(d)]
- 8 [LAC 33:III.501.C.6] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 9 [LAC 33:III.501.C.6] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced). Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 10 [LAC 33:III.501.C.6] Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within one year after the issuance of a permit renewal, whichever comes later. The stack test can be performed on two of the four units (PCS001, PCS002, PCS003, & PCS004). Every five years re-performance testing shall be performed on the previously untested boilers. The stack tests purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity.
- 11 [LAC 33:III.501.H.1.a] Demonstrate compliance with the permitted emission limits of this permit by performing stack tests on PCS001, 1-05 Combined Cycle No. 1, using methods found in NSPS 40 CFR 60, Appendix A as follows:
- A. PM and NO<sub>x</sub> by methods and procedures specified by 40 CFR 60.48a(f) and 60.335(c).
  - B. Carbon Monoxide by Method 10-Determination of Carbon Monoxide emissions from Stationary Sources.
  - C. VOC by Method 25A - Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.
- The tests shall be performed on the turbines without the duct burners to obtain the actual emission rates from the gas turbines. The test shall be repeated with both the gas turbines and the duct burners in operation. Emissions from the duct burners are obtained by subtracting the turbine emissions from the total emissions of each generation unit.
- 12 [LAC 33:III.507.H.1.a] Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting PCS002, 2-05 Combined Cycle No. 2, for visible emissions on a weekly basis. If visible emissions are detected, then, within three working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Request a permit amendment as defined in LAC 33:III.523.A.1 or modification as defined in LAC 33:III.523.A.2 to reflect the results of any testing required or approved by the Department, if such testing demonstrates that the terms and conditions of this permit are inappropriate or inaccurate. The request, together with all information necessary to process such request, shall be submitted within 45 days of obtaining the relevant test results.

**SPECIFIC REQUIREMENTS**

AI ID: 836623 - Acadia Power Partners LLC - Acadia Power Station  
**Activity Number:** PER20050001  
**Permit Number:** 0040-00105-V2  
**Air - Title V Regular Permit Renewal**

**PCS 0003 3-05 - Combined Cycle No. 3**

Group Members: EQT 0007EQT 0013

- 13 [40 CFR 75.10(d)] Ensure that all continuous emission monitoring systems are in operation and monitoring unit emissions at all times that the affected unit combusts any fuel during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 75.21 and appendix B of 40 CFR part 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 75.20.
- [40 CFR 75.10(d)]
- 14 [LAC 33:III.501.C.6] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within one year after the issuance of a permit renewal, whichever comes later. The stack test can be performed on two of the four units (PCS001, PCS002, PCS003, & PCS004). Every five years re-performance testing shall be performed on the previously untested boilers. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity.
- Demonstrate compliance with the permitted emission limits of this permit by performing stack tests on PCS001, 1-05 Combined Cycle No. 1, using methods found in NSPS 40 CFR 60, Appendix A as follows:
- PM and NOx by methods and procedures specified by 40 CFR 60.48(a)(f) and 60.335(c).
  - Carbon Monoxide by Method 10-Determination of Carbon Monoxide emissions from Stationary Sources.
  - VOC by Method 25A - Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.
- The tests shall be performed on the turbines without the duct burners to obtain the actual emission rates from the gas turbines. The test shall be repeated with both the gas turbines and the duct burners in operation. Emissions from the duct burners are obtained by subtracting the turbine emissions from the total emissions of each generation unit.
- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO2 / ton 100% H2SO4, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H2SO4 was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting PCS003, 3-05 Combined Cycle No. 3, for visible emissions on a weekly basis. If visible emissions are detected, then, within three working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Request a permit amendment as defined in LAC 33:III.523.A.1 or modification as defined in LAC 33:III.523.A.2 to reflect the results of any testing required or approved by the Department, if such testing demonstrates that the terms and conditions of this permit are inappropriate or inaccurate. The request, together with all information necessary to process such request, shall be submitted within 45 days of obtaining the relevant test results.
- 15 [LAC 33:III.501.C.6]
- 16 [LAC 33:III.507.H.1.a]
- 17 [LAC 33:III.523.A]
- 18 [LAC 33:III.523.A]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Alt - Title V Regular Permit Renewal

**PCS 0004 4-05 - Combined Cycle No. 4**

Group Members: EQT 0008EQT 0014

- 19 [40 CFR 75.10(d)] Ensure that all continuous emission monitoring systems are in operation and monitoring unit emissions at all times that the affected unit combusts any fuel during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 75.21 and appendix B of 40 CFR part 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 75.20. [40 CFR 75.10(d)]
- 20 [LAC 33:III.501.C.6] Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within one year after the issuance of a permit renewal, whichever comes later. The stack test can be performed on two of the four units (PCS001, PCS002, PCS003, & PCS004). Every five years re-performance testing shall be performed on the previously untested boilers. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of maximum permitted capacity.

Demonstrate compliance with the permitted emission limits of this permit by performing stack tests on PCS001, 1-05 Combined Cycle No. 1, using methods found in NSPS 40 CFR 60, Appendix A as follows:

- PM and NO<sub>x</sub> by methods and procedures specified by 40 CFR 60.48af(f) and 60.335(c).
  - Carbon Monoxide by Method 10-Determination of Carbon Monoxide emissions from Stationary Sources.
  - VOC by Method 25A - Determination of Total Gaseous Organic Concentration Using a Flame Ionization Analyzer.
- The tests shall be performed on the turbines without the duct burners to obtain the actual emission rates from the gas turbines. The test shall be repeated with both the gas turbines and the duct burners in operation. Emissions from the duct burners are obtained by subtracting the turbine emissions from the total emissions of each generation unit.
- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTu, gr/dscf, lbs SO<sub>2</sub> / ton 100% H<sub>2</sub>SO<sub>4</sub>, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H<sub>2</sub>SO<sub>4</sub> was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Permittee shall ensure compliance with the opacity and particulate emission limits of this permit by visually inspecting PCS004. 4-05 Combined Cycle No. 4, for visible emissions on a weekly basis. If visible emissions are detected, then, within three working days, the permittee shall conduct a six-minute opacity reading in accordance with EPA Reference Method 9. Records of visible emission checks shall include emission point ID, date visual check was performed, a record if visible emissions were detected, and a record of any Method 9 testing conducted and the results of any Method 9 test. These records shall be kept on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Request a permit amendment as defined in LAC 33:III.523.A.1 or modification as defined in LAC 33:III.523.A.2 to reflect the results of any testing required or approved by the Department, if such testing demonstrates that the terms and conditions of this permit are inappropriate or inaccurate. The request, together with all information necessary to process such request, shall be submitted within 45 days of obtaining the relevant test results.
- 21 [LAC 33:III.501.C.6]
- 22 [LAC 33:III.501.C.6]
- 23 [LAC 33:III.507.H.1.a]
- 24 [LAC 33:III.523.A.]

**Group: PCS 0001**

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**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station

Activity Number: PER20050001

Permit Number: 0040-00105-V2

Air - Title V Regular Permit Renewal

**Group: PCS 0001 Combined Cycle No. 1**

Group Members: EQT 0005EQT 0011

**EQT 0005 1-99 - Combustion Turbine No. 1**

At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]

Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). (PSD limit is more stringent) Subpart GG. [40 CFR 60.332(a)(1)]

Which Months: All Year Statistical Basis: None specified

Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]

Which Months: All Year Statistical Basis: None specified

Install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NOX and O2 monitors. As an alternative, a CO2 monitor may be used to adjust the measured NOX concentrations to 15 percent O2 by either converting the CO2 hourly averages to equivalent O2 concentrations using Equation F-14a or F-14b in appendix F to 40 CFR part 75 and making the adjustments to 15 percent O2, or by using the CO2 readings directly to make the adjustments, as described in Method 20. The CEMS shall be installed, certified, maintained and operated 60.334(b)(1)-(3). Subpart GG. [40 CFR 60.334(b)]

Notwithstanding the provisions of 60.334(h)(1), the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine if the gaseous fuel is demonstrated to meet the definition of natural gas in 60.331(u), regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration: 1.) the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or 2.) representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4. of appendix D to 40 CFR 75 is required. [40 CFR 60.334(h)(3)]

For any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and for which a custom fuel monitoring schedule has previously been approved, the owner or operator may, without submitting a special petition to the Administrator, continue monitoring on this schedule. [40 CFR 60.334(h)(4)]

Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]

Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
Which Months: All Year Statistical Basis: None specified  
Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

34 [LAC 33-III.1311.C]  
31 [40 CFR 60.334(j)(4)]

32 [40 CFR 60.335]  
33 [LAC 33-III.1101.B]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0001 Combined Cycle No. 1****EQT 0005 1-99 - Combustion Turbine No. 1**

35 [LAC 33:III.1513]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. Permittee shall install and operate Dry Low NOX Burners and use Selective Catalytic Reduction (SCR) to maintain maximum NOX emissions at 4.5 ppmv on EQT005, 1-99 Combustion Turbine No. 1. Permittee shall practice good design, proper operating and maintenance practices, and use clean natural gas to maintain maximum PM/PM10 at 23 lbs/hr, CO at 25 ppmv, and VOC at 3 ppmv. (Determined as BACT in PSD-LA-645(M-1)).

Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):

PM10: 20.0 lbs/hr; 84.0 TPY  
 NOX: 190.0 lbs/hr; 140.0 TPY; 4.5 ppmvd @ 15% oxygen  
 CO: 1225.0 lbs/hr; 307.0 TPY; 25 ppmvd @ 15% oxygen  
 VOC: 28.0 lbs/hr; 14.6 TPY; 3 ppmv @ 15% oxygen.

**EQT 0011 5-99 - HRSG Duct Burner No. 1**

At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]

Particulate matter (10 microns or less) &lt;= 0.03 lb/MMBTU (13 ng/J) heat input. Subpart Da. [40 CFR 60.42Da(a)(1)]

Which Months: All Year Statistical Basis: None specified

Opacity &lt;= 20 percent, except for one 6-minute period per hour of not more than 27% opacity. Subpart Da. [40 CFR 60.42Da(b)]

Which Months: All Year Statistical Basis: Six-minute average

Sulfur dioxide &lt;= 0.20 lb/MMBTU (86 ng/J) heat input. Subpart Da. [40 CFR 60.43Da(b)(2)]

Which Months: All Year Statistical Basis: Thirty-day rolling average

Nitrogen oxides &lt;= 1.6 lb/MWh (200 ng/J) heat input gross energy output. Subpart Da. [40 CFR 60.44Da(d)(1)]

Which Months: All Year Statistical Basis: Thirty-day rolling average

Apply to DEQ for a commercial demonstration permit when proposing to demonstrate an emerging technology. Subpart Da. [40 CFR 60.47Da(a)]  
 Comply with the particulate matter emission standards under 40 CFR 60.42Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)]

Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)]  
 Show compliance with the nitrogen oxides standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate. Subpart Da. [40 CFR 60.48Da(e)]

Show compliance with the sulfur dioxide standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate and percent reduction. Subpart Da. [40 CFR 60.48Da(e)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station

Activity Number: PER20050001

Permit Number: 0040-00105-V2

Air - Title V Regular Permit Renewal

**Group: PCS 0001 Combined Cycle No. 1****EQT 0011 5-99 - HRSG Duct Burner No. 1**

- 48 [40 CFR 60.48Da(f)] Schedule the initial performance test so that the first boiler operating day of the 30 successive boiler operating days is completed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of the facility. Subpart Da. [40 CFR 60.48Da(f)]
- 49 [40 CFR 60.48Da(g)] Determine compliance with the NO<sub>x</sub> and SO<sub>2</sub> emission standards by calculating the arithmetic average of all hourly emission rates for SO<sub>2</sub> and NO<sub>x</sub> for the 30 successive boiler operating days, except for data obtained during startup, shutdown, malfunction (NO<sub>x</sub> only), or emergency conditions (SO<sub>2</sub> only). Subpart Da. [40 CFR 60.48Da(g)]
- 50 [40 CFR 60.48Da(i)] Calculate NO<sub>x</sub> emissions by multiplying the average hourly NO<sub>x</sub> output concentration, measured according to the provisions of 40 CFR 60.49Da(c), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(i), and divided by the average hourly gross energy output, measured according to the provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(i)]
- 51 [40 CFR 60.48Da(k)(3)] Determine compliance with the applicable NO<sub>x</sub> emissions limits by measuring the emissions combined with the emissions from the other unit(s) utilizing the common steam turbine, OR develop, demonstrate, and provide information satisfactory to DEQ on methods for apportioning the combined gross energy output from the steam turbine for each of the affected duct burners. Subpart Da. [40 CFR 60.48Da(k)(3)]
- 52 [40 CFR 60.48Da(k)] Determine compliance with the emission limits for NO<sub>x</sub> required by 40 CFR 60.44Da(d)(1) by using either of the procedures specified in 40 CFR 60.48Da(k)(1) and (k)(2). Subpart Da. [40 CFR 60.44Da(k)]
- 53 [40 CFR 60.49Data(2)] If the owner or operator has installed a NO<sub>x</sub> CEMS to meet the requirements of 40 CFR Part 75 and is continuing to meet the ongoing requirements of Part 75, that CEMS may be used to meet the requirements of 60.49Da, except that the owner or operator shall also meet the requirements of 60.51Da. Data reported to meet the requirements of 60.51Da shall not include data substituted using the missing data procedures in Subpart D of Part 75, nor shall the data have been bias adjusted according to the procedures of Part 75. Subpart Da. [40 CFR 60.49Da(c)(2)]
- 54 [40 CFR 60.49Da(d)] Permittee shall install, calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
- 55 [40 CFR 60.49Date)] The continuous monitoring systems under 60.49Da(b), (c), and (d), shall be operated and data recorded during all periods of operation of the affected facility including periods of startup, shutdown, malfunction or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments. Subpart Da. [40 CFR 60.49Da(e)]
- 56 [40 CFR 60.49Da(f)] Obtain emission data for at least 18 hours in at least 22 out of 30 successive boiler operating days. If this minimum data requirement cannot be met with a continuous monitoring system, supplement emission data with other monitoring systems approved by DEQ or the reference methods and procedures as described in 40 CFR 60.49Da(h). Subpart Da. [40 CFR 60.49Da(f)]
- 57 [40 CFR 60.49Data(s)] Submit plan: Due to DEQ for approval of a unit-specific monitoring plan for each monitoring system, at least 45 days before commencing certification testing of the monitoring systems. Address in the plan the requirements in 40 CFR 60.49Da(s)(1) through (6). Subpart Da. [40 CFR 60.49Da(s)]
- 58 [40 CFR 60.50Data(a)] Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Da. [40 CFR 60.50Da(a)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER2005001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0001 Combined Cycle No. 1****EQT 0011 5-99 - HRSG Duct Burner No. 1**

- 59 [40 CFR 60.50Da(b)] Determine compliance with the particulate matter standards in 40 CFR 60.42Da using the methods and procedures specified in 40 CFR 60.50Da(b)(1) through (b)(3). Subpart Da. [40 CFR 60.50Da(b)]
- 60 [40 CFR 60.50Da(c)] Determine compliance with the sulfur dioxide standards in 40 CFR 60.43Da using the methods and procedures specified in 40 CFR 60.50Da(c)(1) through (c)(5). Subpart Da. [40 CFR 60.50Da(c)]
- 61 [40 CFR 60.50Da(d)] Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1) and (d)(2). Subpart Da. [40 CFR 60.50Da(d)]
- 62 [40 CFR 60.51Da(a)] Submit the performance test data from the initial performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)]
- 63 [40 CFR 60.51Da(b)] Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(b)(1) through (b)(9) for each 24-hour period. Subpart Da. [40 CFR 60.51Da(b)]
- 64 [40 CFR 60.51Da(c)] Submit report: Due semiannually for each six-month period. If the minimum quantity of emission data as required by 40 CFR 60.49Da is not obtained for any 30 successive boiler operating days, report the information specified in 40 CFR 60.51Da(c)(1) through (c)(5), obtained under the requirements of 40 CFR 60.48Da(h), for that 30-day period. Subpart Da. [40 CFR 60.51Da(c)]
- 65 [40 CFR 60.51Da(d)] Submit a signed statement if any standards under 40 CFR 60.43Da are exceeded during emergency conditions because of control system malfunction. Indicate if emergency conditions existed and requirements under 40 CFR 60.48Da(d) were met during each period. List the time periods the emergency condition existed; the electrical output and demand on the electric utility system and the affected facility; the amount of power purchased from interconnected neighboring utility companies during the emergency period; the percent reduction in emissions achieved; the atmospheric emission rate (ng/l) of the pollutant discharged; and the actions taken to correct control system malfunction. Submit semianually for each six-month period. Subpart Da. [40 CFR 60.51Da(d)]
- 66 [40 CFR 60.51Da(e)] Submit a signed statement indicating what percentage cleaning credit was taken for the calendar quarter, and whether the credit was determined in accordance with the provisions of 40 CFR 60.50Da and 40 CFR 60 Appendix A Method 19, if claiming a fuel pretreatment credit toward the sulfur dioxide emission standard under 40 CFR 60.43Da. List the quantity, heat content, and date each pretreated fuel shipment was received during the previous quarter; the name and location of the fuel pretreatment facility; and the total quantity and total heat content of all fuels received at the affected facility during the previous quarter. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(e)]
- 67 [40 CFR 60.51Da(f)] Submit a signed statement indicating if any changes were made in operation of the emission control system during periods of data unavailability, for any periods for which opacity, sulfur dioxide or nitrogen oxides emissions data are not available. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(f)]
- 68 [40 CFR 60.51Da(h)] Submit a signed statement indicating whether the required continuous monitoring system calibration, span, and drift checks or other periodic audits have or have not been performed as specified; the data used to show compliance was or was not obtained in accordance with approved methods and procedures of 40 CFR 60 and is representative of plant performance; the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; and compliance with the standards has or has not been achieved during the reporting period. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(h)]
- 69 [40 CFR 60.51Da(i)] Submit excess emissions report: Due quarterly. Submit opacity levels in excess of the applicable opacity standard and the date of such excesses. Subpart Da. [40 CFR 60.51Da(i)]

**SPECIFIC REQUIREMENTS****AID: 83623 - Acadia Power Partners LLC - Acadia Power Station****Activity Number: PER20050001****Permit Number: 0040-00105-V2****Air - Title V Regular Permit Renewal****Group: PCS 0001 Combined Cycle No. 1****EQT 0011 5-99 - HRSG Duct Burner No. 1**

- 70 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
- 71 [LAC 33:III.1313.C] Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 72 [LAC 33:III.1513] Permittee shall install and operate Dry Low NOX Burners and use Selective Catalytic Reduction (SCR) to maintain maximum NOX emissions at 0.10 lbs/MM BTU on EQT011, HRSG Duct Burner No. 1. Permittee shall practice good design, proper operating and maintenance practices, and use clean natural gas to maintain maximum PM/PM10 at 0.01 lbs/MM BTU, CO at 0.08 lbs/MM BTU, and VOC at 0.02 lbs/MM BTU.  
 (Determined as BACT in PSD-LA-645(M-1)).
- 73 [LAC 33:III.509] Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):  
 PM10: 0.01 lb/MM BTU; 9.6 TPY  
 NOX: 0.10 lb/MM BTU; 40.0 TPY  
 CO: 0.08 lb/MM BTU; 244.0 TPY  
 VOC: 0.02 lb/MM BTU; 38.8 TPY.

**Group: PCS 0002 Combined Cycle No. 2****EQT 0006 2-99 - Combustion Turbine No. 2**

- 75 [40 CFR 60.11(d)] At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]  
 Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). (PSD limit is more stringent) Subpart GG. [40 CFR 60.332(a)(1)]
- 76 [40 CFR 60.332(a)(1)] Which Months: All Year Statistical Basis: None specified  
 Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]
- 77 [40 CFR 60.333(b)] Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0002 Combined Cycle No. 2****EQT 0006 2-99 - Combustion Turbine No. 2**

- 78 [40 CFR 60.334(b)]  
 Install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NOX and O2 monitors. As an alternative, a CO2 monitor may be used to adjust the measured NOX concentrations to 15 percent O2 by either converting the CO2 hourly averages to equivalent O2 concentrations using Equation F-14a or F-14b in appendix F to 40 CFR part 75 and making the adjustments to 15 percent O2, or by using the CO2 readings directly to make the adjustments, as described in Method 20. The CEMS shall be installed, certified, maintained and operated 60.334(b)(1)-(3). Subpart GG. [40 CFR 60.334(b)]
- Notwithstanding the provisions of 60.334(h)(1), the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine if the gaseous fuel is demonstrated to meet the definition of natural gas in 60.331(u), regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration: 1.) the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or 2.) representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to 40 CFR 75 is required. [40 CFR 60.334(h)(3)]
- 79 [40 CFR 60.334(h)(3)]  
 For any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and for which a custom fuel monitoring schedule has previously been approved, the owner or operator may, without submitting a special petition to the administrator, continue monitoring on this schedule. [40 CFR 60.334(h)(4)]
- 80 [40 CFR 60.334(h)(4)]  
 Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]
- 81 [40 CFR 60.334(j)]  
 Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.
- 82 [40 CFR 60.335]  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 83 [LAC 33.III.1101.B]  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 84 [LAC 33.III.1311.C]  
 Which Months: All Year Statistical Basis: Six-minute average  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33.III. Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- 85 [LAC 33.III.1513]  
 Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):  
 PM10: 20.0 lbs/hr; 84.0 TPY  
 NOX: 190.0 lbs/hr; 140.0 TPY; 4.5 ppmvd @ 15% oxygen  
 CO: 1225.0 lbs/hr; 307.0 TPY; 25 ppmvd @ 15% oxygen  
 VOC: 28.0 lbs/hr; 14.6 TPY; 3 ppmv @ 15% oxygen.
- 86 [LAC 33.III.509]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0002 Combined Cycle No. 2****EQT 0006 2-99 - Combustion Turbine No. 2**

87 [LAC 33:III.509]

Permittee shall install and operate Dry Low NOX Burners and use Selective Catalytic Reduction (SCR) to maintain maximum NOX emissions at 4.5 ppmv on EQT006, 2-99 Combustion Turbine No. 2. Permittee shall practice good design, proper operating and maintenance practices, and use clean natural gas to maintain maximum PM/PM10 at 23 lbs/hr, CO at 25 ppmv, and VOC at 3 ppmv. (Determined as BACT in PSD-LA-645(M-1)).

**EQT 0012 6-99 - HRSG Duct Burner No. 2**

88 [40 CFR 60.11(d)]

At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]

89 [40 CFR 60.42Da(a)(1)]

Particulate matter (10 microns or less) <= 0.03 lb/MMBTU (13 ng/J) heat input. Subpart Da. [40 CFR 60.42Da(a)(1)]

90 [40 CFR 60.42Da(b)]

Opacity <= 20 percent, except for one 6-minute period per hour of not more than 27% opacity. Subpart Da. [40 CFR 60.42Da(b)]

91 [40 CFR 60.43Da(b)(2)]

Which Months: All Year Statistical Basis: None specified  
 Sulfur dioxide <= 0.20 lb/MMBTU (86 ng/J) heat input. Subpart Da. [40 CFR 60.43Da(b)(2)]

92 [40 CFR 60.43Da(b)(2)]

Which Months: All Year Statistical Basis: Thirty-day rolling average  
 Sulfur dioxide >= 0 % reduction (100% of the potential combustion concentration). Subpart Da. [40 CFR 60.43Da(b)(2)]

93 [40 CFR 60.44Da(d)(1)]

Which Months: All Year Statistical Basis: Thirty-day rolling average  
 Nitrogen oxides <= 1.6 lb/MMWh (200 ng/J) heat input gross energy output. Subpart Da. [40 CFR 60.44Da(d)(1)]

94 [40 CFR 60.47Da(a)]

Which Months: All Year Statistical Basis: Thirty-day rolling average  
 Apply to DEQ for a commercial demonstration permit when proposing to demonstrate an emerging technology. Subpart Da. [40 CFR 60.47Da(a)]

95 [40 CFR 60.48Da(c)]

Comply with the particulate matter emission standards under 40 CFR 60.42Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)]

96 [40 CFR 60.48Da(c)]

Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)]

97 [40 CFR 60.48Da(d)]

During emergency conditions in the principal company, do not operate an affected facility with a malfunctioning flue gas desulfurization system unless sulfur dioxide emissions are minimized in accordance with the requirements of 60.48Da(d)(1) through (d)(3). Subpart Da. [40 CFR 60.48Da(d)]

98 [40 CFR 60.48Da(e)]

Show compliance with the sulfur dioxide standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate and percent reduction. Subpart Da. [40 CFR 60.48Da(e)]

99 [40 CFR 60.48Da(e)]

Show compliance with the nitrogen oxides standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate. Subpart Da. [40 CFR 60.48Da(e)]

100 [40 CFR 60.48Da(f)]

Schedule the initial performance test so that the first boiler operating day of the 30 successive boiler operating days is completed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of the facility. Subpart Da. [40 CFR 60.48Da(f)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
**Activity Number:** PER20050001  
**Permit Number:** 0040-00105-V2  
**Air - Title V Regular Permit Renewal**

**Group: PCS 0002 Combined Cycle No. 2****EQT 0012 6-99 - HRSG Duct Burner No. 2**

- Determine compliance with the NOx and SO2 emission standards by calculating the arithmetic average of all hourly emission rates for SO2 and NOx for the 30 successive boiler operating days, except for data obtained during startup, shutdown, malfunction (NOx only), or emergency conditions (SO2 only). Subpart Da. [40 CFR 60.48Da(g)]
- Calculate NOx emissions by multiplying the average hourly NOx output concentration, measured according to the provisions of 40 CFR 60.49Da(c), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(l), and divided by the average hourly gross energy output, measured according to the provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(i)]
- Determine compliance with the applicable NOx emissions limits by measuring the emissions combined with the emissions from the other unit(s) utilizing the common steam turbine; OR develop, demonstrate, and provide information satisfactory to DEQ on methods for apportioning the combined gross energy output from the steam turbine for each of the affected duct burners. Subpart Da. [40 CFR 60.48Da(k)(3)]
- Determine compliance with the emission limits for NOx required by 40 CFR 60.44Da(d)(1) by using either of the procedures specified in 40 CFR 60.48Da(k)(1) and (k)(2). Subpart Da. [40 CFR 60.48Da(k)]
- If the owner or operator has installed a NOX CEMS to meet the requirements of 40 CFR Part 75 and is continuing to meet the ongoing requirements of Part 75, that CEMS may be used to meet the requirements of 60.49Da, except that the owner or operator shall also meet the requirements of 60.51Da. Data reported to meet the requirements of 60.51Da shall not include data substituted using the missing data procedures in Subpart D of Part 75, nor shall the data have been bias adjusted according to the procedures of Part 75. Subpart Da. [40 CFR 60.49Da(c)(2)]
- Permittee shall install, calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
- The continuous monitoring systems under 60.49Da(b), (c), and (d), shall be operated and data recorded during all periods of operation of the affected facility including periods of startup, shutdown, malfunction or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments. Subpart Da. [40 CFR 60.49Da(e)]
- Obtain emission data for at least 22 out of 30 successive boiler operating days. If this minimum data requirement cannot be met with a continuous monitoring system, supplement emission data with other monitoring systems approved by DEQ or the reference methods and procedures as described in 40 CFR 60.49Da(h). Subpart Da. [40 CFR 60.49Da(f)]
- Submit plan: Due to DEQ for approval of a unit-specific monitoring plan for each monitoring system, at least 45 days before commencing certification testing of the monitoring systems. Address in the plan the requirements in 40 CFR 60.49Da(s)(1) through (6). Subpart Da. [40 CFR 60.49Da(s)]
- Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Da. [40 CFR 60.50Da(a)]
- Determine compliance with the particulate matter standards in 40 CFR 60.42Da using the methods and procedures specified in 40 CFR 60.50Da(b)(1) through (b)(3). Subpart Da. [40 CFR 60.50Da(b)]
- Determine compliance with the sulfur dioxide standards in 40 CFR 60.43Da using the methods and procedures specified in 40 CFR 60.50Da(c)(1) through (c)(5). Subpart Da. [40 CFR 60.50Da(c)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0002 Combined Cycle No. 2****EQT 0012 6-99 - HRSG Duct Burner No. 2**

- 113 [40 CFR 60.50Da(d)] Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1) and (d)(2). Subpart Da. [40 CFR 60.50Da(d)] Submit the performance test data from the initial performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)]
- 114 [40 CFR 60.51Da(a)] Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(b)(1) through (b)(9) for each 24-hour period. Subpart Da. [40 CFR 60.51Da(b)]
- 115 [40 CFR 60.51Da(b)] Submit report: Due semiannually for each six-month period. If the minimum quantity of emission data as required by 40 CFR 60.49Da is not obtained for any 30 successive boiler operating days, report the information specified in 40 CFR 60.51Da(c)(1) through (c)(5), obtained under the requirements of 40 CFR 60.48Da(h), for that 30-day period. Subpart Da. [40 CFR 60.51Da(c)]
- 116 [40 CFR 60.51Da(c)] Submit a signed statement if any standards under 40 CFR 60.43Da are exceeded during emergency conditions because of control system malfunction. Indicate if emergency conditions existed and requirements under 40 CFR 60.48Da(d) were met during each period. List the time periods the emergency condition existed; the electrical output and demand on the electric utility system and the affected facility; the amount of power purchased from interconnected neighboring utility companies during the emergency period; the percent reduction in emissions achieved; the atmospheric emission rate (ng/J) of the pollutant discharged; and the actions taken to correct control system malfunction. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(d)]
- 117 [40 CFR 60.51Da(d)] Submit a signed statement indicating what percentage cleaning credit was taken for the calendar quarter, and whether the credit was determined in accordance with the provisions of 40 CFR 60.50Da and 40 CFR 60 Appendix A Method 19, if claiming a fuel pretreatment credit toward the sulfur dioxide emission standard under 40 CFR 60.43Da. List the quantity, heat content, and date each pretreated fuel shipment was received during the previous quarter; the name and location of the fuel pretreatment facility; and the total quantity and total heat content of all fuels received at the affected facility during the previous quarter. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(e)]
- 118 [40 CFR 60.51Da(e)] Submit a signed statement indicating if any changes were made in operation of the emission control system during periods of data unavailability, for any periods for which opacity, sulfur dioxide or nitrogen oxides emissions data are not available. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(f)]
- 119 [40 CFR 60.51Da(f)] Submit a signed statement indicating whether the required continuous monitoring system calibration, span, and drift checks or other periodic audits have or have not been performed as specified; the data used to show compliance was or was not obtained in accordance with approved methods and procedures of 40 CFR 60 and is representative of plant performance; the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; and compliance with the standards has or has not been achieved during the reporting period. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(h)]
- 120 [40 CFR 60.51Da(h)] Submit excess emissions report: Due quarterly. Submit opacity levels in excess of the applicable opacity standard and the date of such excesses. Subpart Da. [40 CFR 60.51Da(i)]
- 121 [40 CFR 60.51Da(i)] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- 122 [LAC 33:III.1101.B] Which Months: All Year Statistical Basis: None specified

**SPECIFIC REQUIREMENTS**

AJ ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0002 Combined Cycle No.2****EQT 0012 6-99 - HRSG Duct Burner No.2**

123 [LAC 33:III.1312.C]

124 [LAC 33:III.1513]

125 [LAC 33:III.509]

Total suspended particulate &lt;= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).

Which Months: All Year Statistical Basis: None specified  
 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):

PM10: 0.01 lb/MM BTU; 9.6 TPY

NOX: 0.10 lb/MM BTU; 40.0 TPY

CO: 0.08 lb/MM BTU; 244.0 TPY

VOC: 0.02 lb/MM BTU; 38.8 TPY.

Permittee shall install and operate Dry Low NOX Burners and use Selective Catalytic Reduction (SCR) to maintain maximum NOX emissions at 0.10 lbs/MM BTU on EQT012, HRSG Duct Burner No. 2. Permittee shall practice good design, proper operating and maintenance practices, and use clean natural gas to maintain maximum PM/PM10 at 0.01 lbs/MM BTU, CO at 0.08 lbs/MM BTU, and VOC at 0.02 lbs/MM BTU. (Determined as BACT in PSD-LA-645(M-1)).

**Group: PCS 0003 Combined Cycle No.3**

Group Members: EQT 0007EQT 0013

**EQT 0007 3-99 - Combustion Turbine No. 3**

127 [40 CFR 60.11(d)]

128 [40 CFR 60.332(a)(1)]

129 [40 CFR 60.333(b)]

130 [40 CFR 60.334(b)]

At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]

Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). (PSD limit is more stringent) Subpart GG. [40 CFR 60.332(a)(1)]

Which Months: All Year Statistical Basis: None specified

Fuel sulfur content &lt;= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]

Which Months: All Year Statistical Basis: None specified  
 Install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NOX and O2 monitors. As an alternative, a CO2 monitor may be used to adjust the measured NOX concentrations to 15 percent O2 by either converting the CO2 hourly averages to equivalent O2 concentrations using Equation F-14a or F-14b in appendix F to 40 CFR part 75 and making the adjustments to 15 percent O2, or by using the CO2 readings directly to make the adjustments, as described in Method 20. The CEMS shall be installed, certified, maintained and operated 60.334(b)(1)-(3). Subpart GG. [40 CFR 60.334(b)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0003 3-99 - Combustion Turbine No. 3**

- EQT 0007 3-99 - Combustion Turbine No. 3**
- Notwithstanding the provisions of 60.334(h)(1), the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine if the gaseous fuel is demonstrated to meet the definition of natural gas in 60.331(u), regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration: 1.) the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or 2.) representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to 40 CFR 75 is required. [40 CFR 60.334(h)(3)]
- For any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and for which a custom fuel monitoring schedule has previously been approved, the owner or operator may, without submitting a special petition to the Administrator, continue monitoring on this schedule. [40 CFR 60.334(h)(4)]
- Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]
- Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.
- Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, changing of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: None specified
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: Six-minute average
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III:Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.
- Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):
- PM10: 20.0 lbs/hr; 84.0 TPY
- NOX: 190.0 lbs/hr; 140.0 TPY; 4.5 ppmdry @ 15% oxygen
- CO: 1225.0 lbs/hr; 307.0 TPY; 25 ppmdry @ 15% oxygen
- VOC: 28.0 lbs/hr; 14.6 TPY; 3 ppmdry @ 15% oxygen.
- Permittee shall install and operate Dry Low NOX Burners and use Selective Catalytic Reduction (SCR) to maintain maximum NOX emissions at 4.5 ppmv on EQT007, 3.99 Combustion Turbine No. 3. Permittee shall practice good design, proper operating and maintenance practices, and use clean natural gas to maintain maximum PM/PM10 at 23 lbs/hr, CO at 25 ppmv, and VOC at 3 ppmv. (Determined as BACT in PSD-LA-645(M-1)).

**EQT 0013 7-99 - HRSG Duct Burner No. 3**

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station

Activity Number: PER20050001

Permit Number: 0040-00105-V2

Air - Title V Regular Permit Renewal

**Group: PCS 0003 Combined Cycle No. 3****EQT 0013 7-99 - HRSG Duct Burner No. 3**

- 140 [40 CFR 60.11(d)] At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]
- 141 [40 CFR 60.42Da(a)(1)] Particulate matter (10 microns or less) <= 0.03 lb/MMBTU (13 ng/J) heat input. Subpart Da. [40 CFR 60.42Da(a)(1)]
- 142 [40 CFR 60.42Da(b)] Which Months: All Year Statistical Basis: None specified Opacity <= 20 percent, except for one 6-minute period per hour of not more than 27% opacity. Subpart Da. [40 CFR 60.42Da(b)]
- 143 [40 CFR 60.43Da(b)(2)] Which Months: All Year Statistical Basis: Six-minute average Sulfur dioxide >= 0 % reduction (100% of the potential combustion concentration). Subpart Da. [40 CFR 60.43Da(b)(2)]
- 144 [40 CFR 60.43Da(b)(2)] Which Months: All Year Statistical Basis: Thirty-day rolling average Sulfur dioxide <= 0.20 lb/MMBTU (86 ng/J) heat input. Subpart Da. [40 CFR 60.43Da(b)(2)]
- 145 [40 CFR 60.44Da(d)(1)] Which Months: All Year Statistical Basis: Thirty-day rolling average Nitrogen oxides <= 1.6 lb/MWh (200 ng/J) heat input gross energy output. Subpart Da. [40 CFR 60.44Da(d)(1)]
- 146 [40 CFR 60.47Da(a)] Which Months: All Year Statistical Basis: Thirty-day rolling average Apply to DEQ for a commercial demonstration permit when proposing to demonstrate an emerging technology. Subpart Da. [40 CFR 60.47Da(a)]
- 147 [40 CFR 60.48Da(c)] Comply with the particulate matter emission standards under 40 CFR 60.42Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)]
- 148 [40 CFR 60.48Da(c)] Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)]
- 149 [40 CFR 60.48Da(d)] During emergency conditions in the principal company, do not operate an affected facility with a malfunctioning flue gas desulfurization system unless sulfur dioxide emissions are minimized in accordance with the requirements of 60.48Da(d)(1) through (d)(3). Subpart Da. [40 CFR 60.48Da(d)]
- 150 [40 CFR 60.48Da(e)] Show compliance with the sulfur dioxide standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate and percent reduction. Subpart Da. [40 CFR 60.48Da(e)]
- 151 [40 CFR 60.48Da(e)] Show compliance with the nitrogen oxides standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate. Subpart Da. [40 CFR 60.48Da(e)]
- 152 [40 CFR 60.48Da(t)] Schedule the initial performance test so that the first boiler operating day of the 30 successive boiler operating days is completed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of the facility. Subpart Da. [40 CFR 60.48Da(t)]
- 153 [40 CFR 60.48Da(g)] Determine compliance with the NOx and SO2 emission standards by calculating the arithmetic average of all hourly emission rates for SO2 and NOx for the 30 successive boiler operating days, except for data obtained during startup, shutdown, malfunction (NOx only), or emergency conditions (SO2 only). Subpart Da. [40 CFR 60.48Da(g)]
- 154 [40 CFR 60.48Da(i)] Calculate NOx emissions by multiplying the average hourly NOx output concentration, measured according to the provisions of 40 CFR 60.49Da(i), and divided by the average hourly 60.49Da(c), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(i)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station

Activity Number: PER20050001

Permit Number: 0040-00105-V2

Air - Title V Regular Permit Renewal

**Group: PCS 0003 Combined Cycle No. 3****EQT 0013 7-99 - HRSG Duct Burner No. 3**

- 155 [40 CFR 60.48Da(k)(3)] Determine compliance with the applicable NO<sub>x</sub> emissions limits by measuring the emissions combined with the emissions from the other unit(s) utilizing the common steam turbine, OR develop, demonstrate, and provide information satisfactory to DEQ on methods for apportioning the combined gross energy output from the steam turbine for each of the affected duct burners. Subpart Da. [40 CFR 60.48Da(k)(3)]
- 156 [40 CFR 60.48Da(k)] Determine compliance with the emission limits for NO<sub>x</sub> required by 40 CFR 60.44Da(d)(1) by using either of the procedures specified in 40 CFR 60.48Da(k)(1) and (k)(2). Subpart Da. [40 CFR 60.48Da(k)]
- 157 [40 CFR 60.49Da(c)(2)] If the owner or operator has installed a NOX CEMS to meet the requirements of 40 CFR Part 75 and is continuing to meet the requirements of Part 75, that CEMS may be used to meet the requirements of 60.49Da, except that the owner or operator shall also meet the requirements of 60.51Da. Data reported to meet the requirements of 60.51Da shall not include data substituted using the missing data procedures in Subpart D of Part 75, nor shall the data have been bias adjusted according to the procedures of Part 75. Subpart Da. [40 CFR 60.49Da(c)(2)]
- 158 [40 CFR 60.49Da(d)] Permittee shall install, calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
- 159 [40 CFR 60.49Da(e)] The continuous monitoring systems under 60.49Da(b), (c), and (d), shall be operated and data recorded during all periods of operation of the affected facility including periods of startup, shutdown, malfunction or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments. Subpart Da. [40 CFR 60.49Da(e)]
- 160 [40 CFR 60.49Da(f)] Obtain emission data for at least 18 hours in at least 22 out of 30 successive boiler operating days. If this minimum data requirement cannot be met with a continuous monitoring system, supplement emission data with other monitoring systems approved by DEQ or the reference methods and procedures as described in 40 CFR 60.49Da(h). Subpart Da. [40 CFR 60.49Da(f)]
- 161 [40 CFR 60.49Da(s)] Submit plan: Due to DEQ for approval of a unit-specific monitoring plan for each monitoring system, at least 45 days before commencing certification testing of the monitoring systems. Address in the plan the requirements in 40 CFR 60.49Da(s)(1) through (6). Subpart Da. [40 CFR 60.49Da(s)]
- 162 [40 CFR 60.50Da(a)] Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Da. [40 CFR 60.50Da(a)]
- 163 [40 CFR 60.50Da(b)] Determine compliance with the particulate matter standards in 40 CFR 60.42Da using the methods and procedures specified in 40 CFR 60.50Da(b)(1) through (b)(3). Subpart Da. [40 CFR 60.50Da(b)]
- 164 [40 CFR 60.50Da(c)] Determine compliance with the sulfur dioxide standards in 40 CFR 60.43Da using the methods and procedures specified in 40 CFR 60.50Da(c)(1) through (c)(5). Subpart Da. [40 CFR 60.50Da(c)]
- 165 [40 CFR 60.50Da(d)] Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1) and (d)(2). Subpart Da. [40 CFR 60.50Da(d)]
- 166 [40 CFR 60.51Da(a)] Submit the performance test data from the initial performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)]
- 167 [40 CFR 60.51Da(b)] Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(b)(1) through (b)(9) for each 24-hour period. Subpart Da. [40 CFR 60.51Da(b)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
**Activity Number:** PER20050001  
**Permit Number:** 0040-00105-V2  
**Air - Title V Regular Permit Renewal**

**Group: PCS 0003 Combined Cycle No. 3****EQT 0013 7-99 - HRSG Duct Burner No. 3**

- 168 [40 CFR 60.51Da(c)] Submit report: Due semiannually for each six-month period. If the minimum quantity of emission data as required by 40 CFR 60.49Da is not obtained for any 30 successive boiler operating days, report the information specified in 40 CFR 60.51Da(c)(1) through (c)(5), obtained under the requirements of 40 CFR 60.48D(a), for that 30-day period. Subpart Da. [40 CFR 60.51Da(c)]
- 169 [40 CFR 60.51Da(d)] Submit a signed statement if any standards under 40 CFR 60.43Da are exceeded during emergency conditions because of control system malfunction. Indicate if emergency conditions existed and requirements under 40 CFR 60.48Da(d) were met during each period. List the time periods the emergency condition existed; the electrical output and demand on the electric utility system and the affected facility; the amount of power purchased from interconnected neighboring utility companies during the emergency period; the percent reduction in emissions achieved; the atmospheric emission rate (ng/J) of the pollutant discharged; and the actions taken to correct control system malfunction. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(d)]
- 170 [40 CFR 60.51Da(e)] Submit a signed statement indicating what percentage cleaning credit was taken for the calendar quarter, and whether the credit was determined in accordance with the provisions of 40 CFR 60.50Da and 40 CFR 60 Appendix A Method 19, if claiming a fuel pretreatment credit toward the sulfur dioxide emission standard under 40 CFR 60.43Da. List the quantity, heat content, and date each pretreated fuel shipment was received during the previous quarter; the name and location of the fuel pretreatment facility; and the total quantity and total heat content of all fuels received at the affected facility during the previous quarter. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(e)]
- 171 [40 CFR 60.51Da(f)] Submit a signed statement indicating if any changes were made in operation of the emission control system during periods of data unavailability, for any periods for which opacity, sulfur dioxide or nitrogen oxides emissions data are not available. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(f)]
- 172 [40 CFR 60.51Da(h)] Submit a signed statement indicating whether the required continuous monitoring system calibration, span, and drift checks or other periodic audits have or have not been performed as specified; the data used to show compliance was or was not obtained in accordance with approved methods and procedures of 40 CFR 60 and is representative of plant performance; the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; and compliance with the standards has or has not been achieved during the reporting period. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(h)]
- 173 [40 CFR 60.51Da(i)] Submit excess emissions report: Due quarterly. Submit opacity levels in excess of the applicable opacity standard and the date of such excesses. Subpart Da. [40 CFR 60.51Da(i)]
- 174 [LAC 33:III.1101.B] Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: None specified
- Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel).
- Which Months: All Year Statistical Basis: None specified
- Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station

Activity Number: PER2005001

Permit Number: 0040-00105-V2

Air - Title V Regular Permit Renewal

**Group: PCS 0003 Combined Cycle No. 3****EQT 0013 7-99 - HRSG Duct Burner No. 3**

177 [LAC 33:III.509]

Permittee shall install and operate Dry Low NOX Burners and use Selective Catalytic Reduction (SCR) to maintain maximum NOX emissions at 0.10 lbs/MM BTU on EQT013. HRSG Duct Burner No. 3. Permittee shall practice good design, proper operating and maintenance practices, and use clean natural gas to maintain maximum PM/PM10 at 0.01 lbs/MM BTU, CO at 0.08 lbs/MM BTU, and VOC at 0.02 lbs/MM BTU. (Determined as BACT).

178 [LAC 33:III.509]

Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):

PM10: 0.01 lb/MM BTU; 9.6 TPY

NOX: 0.10 lb/MM BTU; 40.0 TPY

CO: 0.08 lb/MM BTU; 244.0 TPY

VOC: 0.02 lb/MM BTU; 38.8 TPY.

**Group: PCS 0004 Combined Cycle No. 4**

Group Members: EQT 0008EQT 0014

**EQT 0008 4-99 - Combustion Turbine No. 4**

179 [40 CFR 60.11(d)]

At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]

Nitrogen oxides <= 0.0075 % by volume at 15% oxygen and on a dry basis in gases discharged to the atmosphere. Use analytical methods and procedures that are accurate to within 5 percent and are approved by DEQ to determine the nitrogen content of the fuel being fired per 40 CFR 60.335(a). (PSD limit is more stringent) Subpart GG. [40 CFR 60.332(a)(1)]

Which Months: All Year Statistical Basis: None specified

Fuel sulfur content <= 0.8 % by weight (8000 ppmw) for any fuel burned. Subpart GG. [40 CFR 60.333(b)]

Which Months: All Year Statistical Basis: None specified

Install, certify, maintain, operate, and quality-assure a continuous emission monitoring system (CEMS) consisting of NOX and O2 monitors. As an alternative, a CO2 monitor may be used to adjust the measured NOX concentrations to 15 percent O2 by either converting the CO2 hourly averages to equivalent O2 concentrations using Equation F-14a or F-14b in appendix F to 40 CFR part 75 and making the adjustments to 15 percent O2, or by using the CO2 readings directly to make the adjustments, as described in Method 20. The CEMS shall be installed, certified, maintained and operated 60.334(b)(1)-(3). Subpart GG. [40 CFR 60.334(b)]

Notwithstanding the provisions of 60.334(h)(1), the owner or operator may elect not to monitor the total sulfur content of the gaseous fuel combusted in the turbine if the gaseous fuel is demonstrated to meet the definition of natural gas in 60.331(u), regardless of whether an existing custom schedule approved by the administrator for subpart GG requires such monitoring. The owner or operator shall use one of the following sources of information to make the required demonstration: 1.) the gas quality characteristics in a current, valid purchase contract, tariff sheet or transportation contract for the gaseous fuel, specifying that the maximum total sulfur content of the fuel is 20.0 grains/100 scf or less; or 2.) representative fuel sampling data which show that the sulfur content of the gaseous fuel does not exceed 20 grains/100 scf. At a minimum, the amount of fuel sampling data specified in section 2.3.1.4 or 2.3.2.4 of appendix D to 40 CFR 75 is required. [40 CFR 60.334(h)(3)]

TPOR0147

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC -Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0004 Combined Cycle No. 4****EQT 0008 4-99 - Combustion Turbine No. 4**

For any turbine that commenced construction, reconstruction or modification after October 3, 1977, but before July 8, 2004, and for which a custom fuel monitoring schedule has previously been approved, the owner or operator may, without submitting a special petition to the Administrator, continue monitoring on this schedule. [40 CFR 60.334(h)(4)]  
 Submit excess emissions reports and monitor downtime in accordance with 40 CFR 60.7(c). Report excess emissions for all periods of unit operation, including startup, shutdown and malfunction. Subpart GG. [40 CFR 60.334(j)]  
 Determine compliance using the test methods and procedures specified in 40 CFR 60.335(a) through (c). Subpart GG.  
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).  
 Which Months: All Year Statistical Basis: Six-minute average

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.  
 Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):  
 PM10: 20.0 lbs/hr; 84.0 TPY  
 NOX: 190.0 lbs/hr; 140.0 TPY; 4.5 ppmdv @ 15% oxygen  
 CO: 1225.0 lbs/hr; 307.0 TPY; 25 ppmdv @ 15% oxygen  
 VOC: 28.0 lbs/hr; 14.6 TPY; 3 ppmdv @ 15% oxygen.  
 Permittee shall install and operate Dry Low NOX Burners and use Selective Catalytic Reduction (SCR) to maintain maximum NOX emissions at 4.5 ppmv on EQT008, 4-99 Combustion Turbine No. 4. Permittee shall practice good design, proper operating and maintenance practices, and use clean natural gas to maintain maximum PM/PM10 at 23 lbs/hr, CO at 25 ppmv, and VOC at 3 ppmv. (Determined as BACT).

**EQT 0014 8-99 - HRSG Duct Burner No. 4**

At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 60.11(d)]  
 Particulate matter (10 microns or less) <= 0.03 lb/MMBTU (13 ng/J) heat input. Subpart Da. [40 CFR 60.42Da(a)(1)]  
 Which Months: All Year Statistical Basis: None specified  
 Opacity <= 20 percent, except for one 6-minute period per hour of not more than 27% opacity. Subpart Da. [40 CFR 60.42Da(b)]  
 Which Months: All Year Statistical Basis: Six-minute average  
 Sulfur dioxide <= 0.20 lb/MMBTU (86 ng/J) heat input. Subpart Da. [40 CFR 60.43Da(b)(2)]  
 Which Months: All Year Statistical Basis: Thirty-day rolling average

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0004 Combined Cycle No. 4****EQT 0014 8-99 - HRSG Duct Burner No. 4**

- 196 [40 CFR 60.43Da(b)(2)] Sulfur dioxide >= 0 % reduction (100% of the potential combustion concentration). Subpart Da. [40 CFR 60.43Da(b)(2)]  
 Which Months: All Year Statistical Basis: Thirty-day rolling average
- 197 [40 CFR 60.44Da(d)(1)] Nitrogen oxides <= 1.6 lb/MWh (200 ng/J) heat input gross energy output. Subpart Da. [40 CFR 60.44Da(d)(1)]  
 Which Months: All Year Statistical Basis: Thirty-day rolling average
- 198 [40 CFR 60.47Da(a)] Apply to DEQ for a commercial demonstration permit when proposing to demonstrate an emerging technology. Subpart Da. [40 CFR 60.47Da(a)]
- 199 [40 CFR 60.48Da(c)] Comply with the particulate matter emission standards under 40 CFR 60.42Da at all times except during periods of startup, shutdown, or malfunction. Subpart Da. [40 CFR 60.48Da(c)]
- 200 [40 CFR 60.48Da(c)] Comply with the nitrogen oxides emission standards under 40 CFR 60.44Da at all times except during periods of startup, shutdown, and malfunction. Subpart Da. [40 CFR 60.48Da(c)]
- 201 [40 CFR 60.48Da(d)] During emergency conditions in the principal company, do not operate an affected facility with a malfunctioning flue gas desulfurization system unless sulfur dioxide emissions are minimized in accordance with the requirements of 60.48Da(d)(1) through (d)(3). Subpart Da. [40 CFR 60.48Da(d)]
- 202 [40 CFR 60.48Da(e)] Show compliance with the nitrogen oxides standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate. Subpart Da. [40 CFR 60.48Da(e)]
- 203 [40 CFR 60.48Da(e)] Show compliance with the sulfur dioxide standards by completing a separate performance test at the end of each boiler operating day after the initial performance test, and calculating a new 30-day average emission rate and percent reduction. Subpart Da. [40 CFR 60.48Da(e)]
- 204 [40 CFR 60.48Da(f)] Schedule the initial performance test so that the first boiler operating day of the 30 successive boiler operating days is completed within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of the facility. Subpart Da. [40 CFR 60.48Da(f)]
- 205 [40 CFR 60.48Da(g)] Determine compliance with the NOx and SO2 emission standards by calculating the arithmetic average of all hourly emission rates for SO2 and NOx for the 30 successive boiler operating days, except for data obtained during startup, shutdown, malfunction (NOx only), or emergency conditions (SO2 only). Subpart Da. [40 CFR 60.48Da(g)]
- 206 [40 CFR 60.48Da(i)] Calculate NOx emissions by multiplying the average hourly NOx output concentration, measured according to the provisions of 40 CFR 60.49Da(c), by the average hourly flow rate, measured according to the provisions of 40 CFR 60.49Da(k). Subpart Da. [40 CFR 60.48Da(i)]
- 207 [40 CFR 60.48Da(k)(3)] Determine compliance with the applicable NOx emissions limits by measuring the emissions combined with the emissions from the other unit(s) utilizing the common steam turbine; OR develop, demonstrate, and provide information satisfactory to DEQ on methods for apportioning the combined gross energy output from the steam turbine for each of the affected duct burners. Subpart Da. [40 CFR 60.48Da(k)(3)]
- 208 [40 CFR 60.48Da(k)] Determine compliance with the emission limits for NOx required by 40 CFR 60.44Da(d)(1) by using either of the procedures specified in 40 CFR 60.48Da(k)(1) and (k)(2). Subpart Da. [40 CFR 60.48Da(k)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0004 Combined Cycle No. 4**

- EQT 0014 8-99 - HRSG Duct Burner No. 4**
- 209 [40 CFR 60.49Da(c)(2)] If the owner or operator has installed a NOX CEMS to meet the requirements of 40 CFR Part 75 and is continuing to meet the ongoing requirements of Part 75, that CEMS may be used to meet the requirements of 60.49Da, except that the owner or operator shall also meet the requirements of 60.51Da. Data reported to meet the requirements of 60.51Da shall not include data substituted using the missing data procedures in Subpart D of Part 75, nor shall the data have been bias adjusted according to the procedures of Part 75. Subpart Da. [40 CFR 60.49Da(c)(2)]
- 210 [40 CFR 60.49Da(d)] Permittee shall install, calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring the oxygen or carbon dioxide content of the flue gases at each location where sulfur dioxide or nitrogen oxides emissions are monitored. Subpart Da. [40 CFR 60.49Da(d)]
- The continuous monitoring systems under 60.49Da(b), (c), and (d), shall be operated and data recorded during all periods of operation of the affected facility including periods of startup, shutdown, malfunction or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments. Subpart Da. [40 CFR 60.49Da(e)]
- Obtain emission data for at least 18 hours in at least 22 out of 30 successive boiler operating days. If this minimum data requirement cannot be met with a continuous monitoring system, supplement emission data with other monitoring systems approved by DEQ or the reference methods and procedures as described in 40 CFR 60.49Da(h). Subpart Da. [40 CFR 60.49Da(f)]
- Submit plan: Due to DEQ for approval of a unit-specific monitoring plan for each monitoring system, at least 45 days before commencing certification testing of the monitoring systems. Address in the plan the requirements in 40 CFR 60.49Da(s)(1) through (6). Subpart Da. [40 CFR 60.49Da(s)]
- Use as reference methods and procedures the methods specified in 40 CFR 60Da, Appendix A or the methods and procedures as specified in 40 CFR 60.50Da, except as provided in 40 CFR 60.8(b), in conducting the performance tests required in 40 CFR 60.8. Subpart Da. [40 CFR 60.50Da(a)]
- Determine compliance with the particulate matter standards in 40 CFR 60.42Da using the methods and procedures specified in 40 CFR 60.50Da(b)(1) through (b)(3). Subpart Da. [40 CFR 60.50Da(b)]
- Determine compliance with the sulfur dioxide standards in 40 CFR 60.43Da using the methods and procedures specified in 40 CFR 60.50Da(c)(1) through (c)(5). Subpart Da. [40 CFR 60.50Da(c)]
- Determine compliance with the nitrogen oxides standard in 40 CFR 60.44Da using the methods and procedures specified in 40 CFR 60.50Da(d)(1) and (d)(2). Subpart Da. [40 CFR 60.50Da(d)]
- Submit the performance test data from the initial performance test and from the performance evaluation of the continuous monitors (including the transmissometer). Subpart Da. [40 CFR 60.51Da(a)]
- Submit report: Due semiannually for each six-month period. Submit the information specified in 40 CFR 60.51Da(b)(1) through (b)(9) for each 24-hour period. Subpart Da. [40 CFR 60.51Da(b)]
- Submit report: Due semiannually for each six-month period. If the minimum quantity of emission data as required by 40 CFR 60.49Da is not obtained for any 30 successive boiler operating days, report the information specified in 40 CFR 60.51Da(c)(1) through (c)(5), obtained under the requirements of 40 CFR 60.48Da(h), for that 30-day period. Subpart Da. [40 CFR 60.51Da(c)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**Group: PCS 0004 Combined Cycle No. 4****EQT 0014 8-99 - HRSG Duct Burner No. 4**

221 [40 CFR 60.51Da(d)]

Submit a signed statement if any standards under 40 CFR 60.43Da are exceeded during emergency conditions because of control system malfunction. Indicate if emergency conditions existed and requirements under 40 CFR 60.48Da(d) were met during each period. List the time periods the emergency condition existed; the electrical output and demand on the electric utility system and the affected facility; the amount of power purchased from interconnected neighboring utility companies during the emergency period; the percent reduction in emissions achieved; the atmospheric emission rate (ng/J) of the pollutant discharged; and the actions taken to correct control system malfunction. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(d)]

222 [40 CFR 60.51Da(e)]

Submit a signed statement indicating what percentage cleaning credit was taken for the calendar quarter, and whether the credit was determined in accordance with the provisions of 40 CFR 60.50Da and 40 CFR 60 Appendix A Method 19, if claiming a fuel pretreatment credit toward the sulfur dioxide emission standard under 40 CFR 60.43Da. List the quantity, heat content, and date each pretreated fuel shipment was received during the previous quarter; the name and location of the fuel pretreatment facility; and the total quantity and total heat content of all fuels received at the affected facility during the previous quarter. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(e)]

223 [40 CFR 60.51Da(f)]

Submit a signed statement indicating if any changes were made in operation of the emission control system during periods of data unavailability, for any periods for which opacity, sulfur dioxide or nitrogen oxides emissions data are not available. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(f)]

224 [40 CFR 60.51Da(h)]

Submit a signed statement indicating whether the required continuous monitoring system calibration, span, and drift checks or other periodic audits have or have not been performed as specified; the data used to show compliance was or was not obtained in accordance with approved methods and procedures of 40 CFR 60 and is representative of plant performance; the minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable; and compliance with the standards has or has not been achieved during the reporting period. Submit semiannually for each six-month period. Subpart Da. [40 CFR 60.51Da(h)]

225 [40 CFR 60.51Da(i)]

Submit excess emissions report. Due quarterly. Submit opacity levels in excess of the applicable opacity standard and the date of such excesses. Subpart Da. [40 CFR 60.51Da(i)]

226 [LAC 33:III.1101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).

227 [LAC 33:III.1313.C]

Which Months: All Year Statistical Basis: None specified Total suspended particulate <= 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). Which Months: All Year Statistical Basis: None specified

228 [LAC 33:III.1513]

Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least two years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request.

229 [LAC 33:III.509]

Permittee shall install and operate Dry Low NOX Burners and use Selective Catalytic Reduction (SCR) to maintain maximum NOX emissions at 0.10 lbs/MM Btu on EQT014, HRSG Duct Burner No. 4. Permittee shall practice good design, proper operating and maintenance practices, and use clean natural gas to maintain maximum PM/PM10 at 0.01 lbs/MM BTU, CO at 0.08 lbs/MM BTU, and VOC at 0.02 lbs/MM BTU. (Determined as BACT).

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
**Activity Number:** PER20050001  
**Permit Number:** 0040-00105-V2  
**Air - Title V Regular Permit Renewal**

**Group: PCS 0004 Combined Cycle No. 4****EQT 0014 8-99 - HRSG Duct Burner No. 4**

230 [LAC 33:III.509] Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):  
PM10: 0.01 lb/MM BTU; 9.6 TPY  
NOX: 0.10 lb/MM BTU; 40.0 TPY  
CO: 0.08 lb/MM BTU; 244.0 TPY  
VOC: 0.02 lb/MM BTU; 38.8 TPY.

**CRG 0001 ACRN - Acid Rain Requirements**

Group Members: EQT 0005EQT 0006EQT 0007EQT 0008EQT 0011EQT 0012EQT 0013EQT 0014

- 231 [40 CFR 72.9(a)(1)] The designated representative shall submit a complete Acid Rain permit application (including a compliance plan) in accordance with the deadlines specified in 40 CFR 72.30, a complete reduced utilization plan if required under 40 CFR 72.43, and any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit. [40 CFR 72.9(a)(1), LAC 33:III.505]  
Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority, and have an Acid Rain Permit. [40 CFR 72.9(a)(2), LAC 33:III.505]  
Comply with the monitoring requirements as provided in 40 CFR 75. [40 CFR 72.9(b), LAC 33:III.505]  
The owners and operators shall hold allowances, as of the allowance transfer deadline, in the source's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the source and comply with the applicable Acid Rain emissions limitation for sulfur dioxide. [40 CFR 72.9(c)(1), LAC 33:III.505]  
An allowance shall not be deducted, in order to comply with the requirements under 40 CFR 72.9(c)(1)(i), prior to the calendar year for which the allowance was allocated. [40 CFR 72.9(c)(5), LAC 33:III.505]  
The designated representative of an affected source that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR 77. [40 CFR 72.9(e)(1), LAC 33:III.505]  
The owners and operators of an affected source that has excess emissions in any calendar year shall pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR 77, and comply with the terms of an approved offset plan, as required by 40 CFR 77. [40 CFR 72.9(e)(2), LAC 33:III.505]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**CRG 0001 ACRN - Acid Rain Requirements**

Keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or Permitting authority.

- 1.) The certificate of representation for the designated representative for the source and each affected unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with 40 CFR 72.24, provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.
- 2.) All emissions monitoring information, in accordance with 40 CFR 75, provided that to the extent that part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply.
- 3.) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program.
- 4.) Copies of all documents used to complete an Acid Rain permit application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program. [40 CFR 72.9(f)(1), LAC 33:III.505]

The designated representative shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR 75 and Subpart I of 40 CFR 72. [40 CFR 72.9(f)(2), LAC 33:III.505]

To determine NOX emissions, install, certify, operate, and maintain in accordance with all the requirements of 40 CFR 75 a NOX-adiluent continuous emission monitoring system (consisting of a NOX pollutant concentration monitor and an O2 or CO2 diluent gas monitor) with an automated data acquisition and handling system for measuring and recording NOX concentration (in ppm), O2 or CO2 concentration (in percent O2 or CO2), and NOX emission rate (in lb/mmBtu) discharged to the atmosphere, except as provided in 40 CFR 75.12 and 75.17 and subpart E of 40 CFR 75. The owner or operator shall account for total NOX emissions, both NO and NO2, either by monitoring for both NO and NO2 or by monitoring for NO only and adjusting the emissions data to account for NO2. [40 CFR 75.10(a)(2)]

Determine CO2 emissions by using one of the options in 40 CFR 75.10(a)(3)(i), (ii), or (iii), except as provided in 40 CFR 75.13 and subpart E of 40 CFR 75. [40 CFR 75.10(a)(3)]

The owner or operator shall ensure that each continuous emission monitoring system meets the equipment, installation, and performance specifications in appendix A to 40 CFR 75; and is maintained according to the quality assurance and quality control procedures in appendix B to 40 CFR 75; and shall record SO2 and NOX emissions in the appropriate units of measurement (i.e., 1b/hr for SO2 and 1b/MM Btu for NOX). [40 CFR 75.10(b)]

The owner or operator shall determine and record the heat input rate, in units of MM Btu/hr, to each affected unit for every hour or part of an hour any fuel is combusted following the procedures in appendix F to 40 CFR 75. [40 CFR 75.10(c)]

The owner or operator shall ensure that all continuous emission and opacity monitoring systems are in operation and monitoring unit emissions or opacity at all times that the affected unit combusts any fuel except as provided in 40 CFR 75.11(e) and during periods of calibration, quality assurance, or preventive maintenance, performed pursuant to 40 CFR 75.21 and appendix B of 40 CFR 75, periods of repair, periods of backups of data from the data acquisition and handling system, or recertification performed pursuant to 40 CFR 75.20. The owner or operator shall also ensure, subject to the aforementioned exceptions, that all continuous opacity monitoring systems are in operation and monitoring opacity during the time following combustion when fans are still operating, unless fan operation is not required to be included under any other applicable Federal or State regulation, or permit. The owner or operator shall ensure that the requirements of 40 CFR 75.10(d)(1), (2), and (3), as applicable, are met. [40 CFR 75.10(d)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**CRG 0001 ACRN - Acid Rain Requirements**

245 [40 CFR 75.10(f)] The owner or operator shall ensure that each continuous emission monitoring system is capable of accurately measuring, recording, and reporting data, and shall not incur an exceedance of the full scale range, except as provided in sections 2.1.1.5, 2.1.2.5, and 2.1.4.3 of appendix A to 40 CFR 75. [40 CFR 75.10(f)]

The owner or operator shall record and the designated representative shall report the hourly, daily, quarterly, and annual information collected under the requirements of 40 CFR 75 as specified in subparts F and G of 40 CFR 75. [40 CFR 75.10(g)] Measure and record SO<sub>2</sub> emissions by providing information satisfactory to the Administrator using the applicable procedures specified in appendix D to 40 CFR 75 for estimating hourly SO<sub>2</sub> mass emissions. [40 CFR 75.11(d)(2)] Comply with the applicable provisions of Subpart C-Operation and Maintenance Requirements, Subpart D-Missing Data Substitution Procedures, Subpart F-Recordkeeping Requirements, and Subpart G-Reporting Requirements.

**EQT 0009 9-99 - Cooling Tower No. 1**

249 [LAC 33:III.509] Permittee shall install and operate drift eliminators on EQT009, 9-99 Cooling Tower No. 1, to comply with the permitted limits for PM10. Good Operating practices shall be applied to limit the quantity of particulate entrained in the cooling tower air stream and the amount of drift loss that occurs from the cooling tower. (Determined as BACT).

Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):  
 PM10: 0.76 lbs/hr; 3.3 TPY.

**EQT 0010 10-99 - Cooling Tower No. 2**

251 [LAC 33:III.509] Permittee shall install and operate drift eliminators on EQT010, 10-99 Cooling Tower No. 2, to comply with the permitted limits for PM10. Good Operating practices shall be applied to limit the quantity of particulate entrained in the cooling tower air stream and the amount of drift loss that occurs from the cooling tower. (Determined as BACT).

Maximum Allowable Emission Rates determined in PSD-LA-645(M-2):  
 PM10: 0.76 lbs/hr; 3.3 TPY.

**FUG 0001 FUG - Fugitive Emissions**

253 [LAC 33:III.2111] Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment.

**SCN 0001 1-99 SUSD - Unit 1 Combustion Turbine SU/SD**

Group Members: EQT 0005  
 254 [LAC 33:III.509]

Good design, proper operating and maintenance practices, and using clean natural gas shall be BACT during periods of startup and shutdown (defined as <50% turbine load). [From PSD-LA-645 (M-2)].

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**SCN 0002 2-99 SUSD - Unit 2 Combustion Turbine SU/SD**

Group Members: EQT 0006

255 [LAC 33:II.509]

Good design, proper operating and maintenance practices, and using clean natural gas shall be BACT during periods of startup and shutdown (defined as <50% turbine load). [From PSD-LA-645 (M-2)].

**SCN 0003 3-99 SUSD - Unit 3 Combustion Turbine SU/SD**

Group Members: EQT 0007

256 [LAC 33:II.509]

Good design, proper operating and maintenance practices, and using clean natural gas shall be BACT during periods of startup and shutdown (defined as <50% turbine load). [From PSD-LA-645 (M-2)].

**SCN 0004 4-99 SUSD - Unit 4 Combustion Turbine SU/SD**

Group Members: EQT 0008

257 [LAC 33:II.509]

Good design, proper operating and maintenance practices, and using clean natural gas shall be BACT during periods of startup and shutdown (defined as <50% turbine load). [From PSD-LA-645 (M-2)].

**SCN 0005 DBS CAP - Duct Burners Cap**

Group Members: EQT 0011EQT 0012EQT 0013EQT 0014

258 [LAC 33:II.501 C.6]

Operating time <= 6000 hr/yr. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total operating time for the duct burners exceeds the maximum listed in this specific condition for any twelve consecutive month period.  
 Which Months: All Year Statistical Basis: None specified  
 Submit report: Due annually, by the 31st of March. Report the total operating time for the duct burners for the preceding calendar year to the Office of Environmental Compliance, Enforcement Division.  
 Operating time monitored by technically sound method continuously.  
 Which Months: All Year Statistical Basis: None specified  
 Operating time recordkeeping by electronic or hard copy monthly. Keep records of the total operating time for the duct burners each month, as well as the total operating time for the duct burners for the last twelve months. Make records available for inspection by DEQ personnel.

**UNF 0001 APS - Acadia Power Station**

262 [40 CFR 60.]

263 [40 CFR 70.5(a)(1)(iii)]

All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.  
 Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
**Activity Number:** PER20050001  
**Permit Number:** 0040-00105-V2  
**Alt - Title V Regular Permit Renewal**

**UNF 0001 APS - Acadia Power Station**

- 264 [40 CFR 70.6(a)(3)(iii)(A)] Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 265 [40 CFR 70.6(a)(3)(iii)(B)] Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]
- 266 [40 CFR 70.6(c)(5)(iv)] Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
- 267 [40 CFR 72.9(c)(1)(i)] The Acadia Power Station shall secure one allowance for each ton of SO<sub>2</sub> emitted per year. At the end of the year, each used allowance is retired and cannot be used again. EPA will record allowance transfers that are used for compliance and ensure that Acadia Power Station's emissions do not exceed the number of allowances it holds via the Allowance Tracking System (ATS). See Subparts C & D of part 73. [40 CFR 72.9(c)(1)(i)]
- 268 [LAC 33:III.1103] Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111
- 269 [LAC 33:III.1303.B] Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited.
- 270 [LAC 33:III.2113.A] Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5.
- 271 [LAC 33:III.2119] Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
- 272 [LAC 33:III.506.A] Comply with LAC 33:III.506 Clean Air Interstate Rule (CAIR) requirements and all of the provisions of the CAIR NOx Federal Implementation Plan (FIP) 40 CFR Part 97, Subparts AA-HH, except for 40 CFR 97.141 and 97.142. [LAC 33:III.506.A, 40 CFR 97.4]
- 273 [LAC 33:III.507.G.5] Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years. Comply with the requirements of PSD-LA-645(M-2). This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-645(M-2).
- 274 [LAC 33:III.509] Comply with the Part 70 General Conditions as set forth in LAC 33:III.535 and the Louisiana General Conditions as set forth in LAC 33:III.537. [LAC 33:III.535, LAC 33:III.537]

**SPECIFIC REQUIREMENTS**

AI ID: 83623 - Acadia Power Partners LLC - Acadia Power Station  
 Activity Number: PER20050001  
 Permit Number: 0040-00105-V2  
 Air - Title V Regular Permit Renewal

**UNF 0001 APS - Acadia Power Station**

- 276 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 5 when the administrative authority declares an Air Pollution Alert.
- 277 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611. Table 6 when the administrative authority declares an Air Pollution Warning.
- 278 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611. Table 7 when the administrative authority declares an Air Pollution Emergency.
- 279 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 280 [LAC 33:III.5901.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611. Tables 5, 6, and 7. Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 281 [LAC 33:III.5907] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 282 [LAC 33:III.5911.A] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III. Chapter 59, whichever is later. Include the information listed in LAC 33:III.5911.B, and submit to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division.
- 283 [LAC 33:III.5911.C] Submit amended registration: Due to the Department of Environmental Quality, Office of Environmental Compliance, Emergency and Radiological Services Division, within 60 days after the information in the submitted registration is no longer accurate.
- 284 [LAC 33:III.919.D] Submit Emission Inventory (EI) Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Air Quality Assessment Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D.